

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:49:58 ; Search time 18 Seconds

(without alignments)
347.041 Million cell updates/sec

Title: US-09-853-161-68

Perfect score: 121
Sequence: 1 MRIMLFTAILAFSLAQSGF.....DVNQENVPSFGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size : 30

Total number of hits satisfying chosen parameters: 5

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	121	100.0	121	4	US-09-152-060-68 Sequence 68, Appli
2	101	83.5	122	2	US-08-879-995A-1 Sequence 1, Appli
3	101	83.5	122	3	US-09-215-096-1 Sequence 1, Appli
4	66	54.5	121	4	US-09-152-060-85 Sequence 85, Appli
5	36	29.8	36	4	US-09-152-060-108 Sequence 108, App

ALIGNMENTS

RESULT 1
US-09-152-060-68
; Sequence 68, Application US/09152060
; Patent No. 6448230
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P1.US
; CURRENT APPLICATION NUMBER: US/09/152,060
; CURRENT FILING DATE: 1998-09-11
; EARLIER APPLICATION NUMBER: PCT/US98/04858
; EARLIER FILING DATE: 1998-03-12
; EARLIER APPLICATION NUMBER: 60/040,762
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/040,710
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/050,934

; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,100
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,357
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,189
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/057,765
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/068,368
; EARLIER FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-152-060-68

Query Match 100.0%; Score 121; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 1,3e-11;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGFAGVCKEPQEEVVPGGGRSKRDPDLVQLQLRFLFKSHSLEGL 60
DB 1 MRIMLFTAILAFSLAQSGFAGVCKEPQEEVVPGGGRSKRDPDLVQLQLRFLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
QY 121 E 121
DB 121 E 121

RESULT 2
US-08-879-995A-1
; Sequence 1, Application US/08879995A
; Patent No. 5985606
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: HUMAN PREPROTACHYKININ B
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/879,995A
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0326 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRAITUT03
CLONE: 2109906
US-08-879-995A-1

Query Match 83.5%; Score 101; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 6.5e-92;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTPEKRDMDHDFVGLMGKRSVQPDSP 101
Db 61 LKALSQASTDPKESTPEKRDMDHDFVGLMGKRSVQPDSP 101

RESULT 3

US-09-215-096-1
Sequence 1, Application US/09215096
Patent No. 6008194
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: HUMAN PREPROTACHYKININ B
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/215,096
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/879,995
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0326 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BRAITUT03
CLONE: 2109906
US-09-215-096-1

Query Match 83.5%; Score 101; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 6.5e-92;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTPEKRDMDHDFVGLMGKRSVQPDSP 101
Db 61 LKALSQASTDPKESTPEKRDMDHDFVGLMGKRSVQPDSP 101

RESULT 4

US-09-152-060-85
Sequence 85, Application US/09152060
Patent No. 6448230
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 28 Human Secreted Proteins
FILE REFERENCE: P2003P1.US
CURRENT APPLICATION NUMBER: US/09/152,060
CURRENT FILING DATE: 1998-09-11
EARLIER APPLICATION NUMBER: PCT/US98/04858
EARLIER FILING DATE: 1998-03-12
EARLIER APPLICATION NUMBER: 60/040,762
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/040,710
EARLIER FILING DATE: 1997-03-14
EARLIER APPLICATION NUMBER: 60/050,934
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,100
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,357
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/048,189
EARLIER FILING DATE: 1997-05-30
EARLIER APPLICATION NUMBER: 60/057,765
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/048,970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/068,368
NUMBER OF SEQ ID NOS: 118
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 85
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (67)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (89)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-152-060-85

Query Match 54.5%; Score 66; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.8e-57;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLVQLQRLFKSHSLEGL 60
QY 61 LKALSQ 66
Db 61 LKALSQ 66

RESULT 5
US-09-152-060-108
; Sequence 108, Application US/09152060
; Patent No. 6448230
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003Pl.US
; CURRENT APPLICATION NUMBER: US/09/152,060
; EARLIER FILING DATE: 1998-03-11
; EARLIER APPLICATION NUMBER: PCT/US98/04858
; EARLIER FILING DATE: 1998-03-12
; EARLIER APPLICATION NUMBER: 60/040,762
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/040,710
; EARLIER FILING DATE: 1997-03-14
; EARLIER APPLICATION NUMBER: 60/050,934
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,100
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,357
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/048,189
; EARLIER FILING DATE: 1997-05-30
; EARLIER APPLICATION NUMBER: 60/057,765
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/068,368
; EARLIER FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-152-060-108

Query Match 29.8%; Score 36; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 2e-28;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 77 PEKRDMDFFVGLMGKRSVQPDSPDVTNQNENVPSPFG 112
Db 1 PEKRDMDFFVGLMGKRSVQPDSPDVTNQNENVPSPFG 36

Search completed: July 19, 2004, 20:53:08
Job time : 18 secs

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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:48:32 ; Search time 40 Seconds
(Without alignments)
954.443 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 MRIMLLFTAILAFSLAQSGF.....DVNQENVPSFGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1017041 segs, 315518202 residues

Word size : 30

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

- Database : SPTREMBL 25:*
- 1: sp_archaea:*
 - 2: sp_bacteria:*
 - 3: sp_fungi:*
 - 4: sp_human:*
 - 5: sp_invertebrate:*
 - 6: sp_mammal:*
 - 7: sp_mhc:*
 - 8: sp_organelle:*
 - 9: sp_phage:*
 - 10: sp_plant:*
 - 11: sp_rodent:*
 - 12: sp_virus:*
 - 13: sp_vertibrate:*
 - 14: sp_unclassified:*
 - 15: sp_rvirus:*
 - 16: sp_bacteriap:*
 - 17: sp_archaeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

*				
Result No.	Score	Query Match	Length DB ID	Description
1	66	54.5	108 4 Q7Z4W6	Q7z4w6 homo sapien

ALIGNMENTS

RESULT 1
Q7Z4W6
ID Q7Z4W6 PRELIMINARY; PRT; 108 AA.
AC Q7Z4W6;
DT 01-OCT-2003 (Tremblrel. 25, Created)
DT 01-OCT-2003 (Tremblrel. 25, Last sequence update)
DT 01-OCT-2003 (Tremblrel. 25, Last annotation update)
DE Preprotachykinin B.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Guan C.B., Yu L., Zhao S.Y.;
RT "Cloning of a new human cDNA homologous to mouse preprotachykinin B.";
RL Submitted (MAR-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF136174; AAP97264.1; --
SQ SEQUENCE 108 AA; 12089 MM; 5A42655410F54F0E CRC64;

Query Match 54.5%; Score 66; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 1.2e-62;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGFAGVCKEPQEEYVPGGGRSKRDPDLYQLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSGFAGVCKEPQEEYVPGGGRSKRDPDLYQLQRLFKSHSSLEGL 60
QY 61 LKALSQ 66
Db 61 LKALSQ 66

Search completed: July 19, 2004, 20:52:11
Job time : 40 secs

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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:48:02 ; Search time 13 Seconds
(without alignments)
484.653 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 MRIMLLFTAILAFSLAQSG.....DVNQENVPSFGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 141681 seqs, 52070155 residues

Word size : 30

Total number of hits satisfying chosen parameters: 1

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	121	100.0	121	1	TKNK_HUMAN Q9uhf0 homo sapien

ALIGNMENTS

RESULT 1

TKNK_HUMAN STANDARD; PRT; 121 AA.

AC Q9UHFO;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Neurokinin B precursor (NKB) (Neuromedin K) (ZNEUROK1).
GN TAC3.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
OX NCBI_Taxid=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sheppard P., Jelinek L., Whitmore T., Blumberg H., Lehner J.,
RA O'Hara P.;
RL Submitted (SEP-1999) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Placenta;
RX MEDLINE=20322570; PubMed=10866201;
RA Page N.M., Woods R.J., Gardiner S.M., Lomthiasong K., Gladwell R.T.,
RA Butlin D.J., Manyonda I.T., Lowry P.J.;
RT "Excessive placental neurokinin B secretion during the third trimester
causes pre-eclampsia.";
RL Nature 405:797-800(2000).

RN [3]

RP SEQUENCE FROM N.A.

RC TISSUE=Brain;

RX MEDLINE=22388257; PubMed=12477932;

RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ueda T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Buttefield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences.";
RT Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
CC -!- FUNCTION: Tachykinins are active peptides which excite neurons,
evoke behavioral responses, are potent vasodilators and
secretagogues, and contract (directly or indirectly) many smooth
muscles (By similarity).
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- DEVELOPMENTAL STAGE: In pregnancy, the expression of NKB is
confined to the outer syncytiotrophoblast of the placenta, a
significant concentrations of NKB can be detected in plasma as
early as week 9, and plasma concentrations of NKB are grossly
elevated in pregnancy-induced hypertension and pre-eclampsia.
CC -!- SIMILARITY: Belongs to the tachykinin family.

CC This SWISS-PROT entry is copyright. It is produced through a collaboration
between the Swiss Institute of Bioinformatics and the EMBL outstation -
the European Bioinformatics Institute. There are no restrictions on its
use by non-profit institutions as long as its content is in no way
modified and this statement is not removed. Usage by and for commercial
entities requires a license agreement (See <http://www.isb-sib.ch/announce/>
or send an email to license@isb-sib.ch).

CC EMBL: AF186112; AAF01430.1; -.
DR EMBL: AF216586; AAF76980.1; -.
DR EMBL: BC032145; AAH32145.1; -.
DR Genew; HGNC:11521; TAC3.
DR MIM; 162330; -.

DR GO; GO:0005615; C:extracellular space; TAS.

DR GO; GO:0005625; C:soluble fraction; TAS.

DR GO; GO:0008648; F:tachykinin; TAS.

DR GO; GO:0007565; P:pregnancy; TAS.

DR GO; GO:0007217; P:tachykinin signaling pathway; TAS.

DR InterPro; IPR003635; Neurokinin.

DR InterPro; IPR002040; Tachy Neurokinin.

DR Pfam; PF03823; Neurokinin B; 1.

DR ProDom; PD020370; Neurokinin; 1.

DR PROSITE; PS00267; TACHYKININ; 1.

KW Tachykinin; Neuropeptide; Cleavage on pair of basic residues;
Amidation; signal.

FT SIGNAL 1 16 POTENTIAL.

FT PROPEP 17 78 BY SIMILARITY.

FT PEPTIDE 81 90 NEUROKININ B.

FT PROPEP 94 121 BY SIMILARITY.

FT MOD_RES 90 90 AMIDATION (G-91 PROVIDE AMIDE GROUP) (BY
SIMILARITY).

SQ SEQUENCE 121 AA; 13438 MW; 14C9AFE2EE9EDECA CRC64;

Query Match 100.0%; Score 121; DB 1; Length 121;
Best Local Similarity 100.0%; Pred. No. 8.2e-117;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MRIMLLFTAILAFSLAQSFQAVCKEPQEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL	60
Db	1	MRIMLLFTAILAFSLAQSFQAVCKEPQEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL	60
QY	61	LKALSQASTDPKESTSPKRDMDFFVGLNGKRSVQPSPTDVNOENVPSFGILKYPRA	120
Db	61	LKALSQASTDPKESTSPKRDMDFFVGLNGKRSVQPSPTDVNOENVPSFGILKYPRA	120
QY	121	E 121	
Db	121	E 121	

Search completed: July 19, 2004, 20:51:21
Job time : 13 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:49:03 ; Search time 16 seconds
(without alignments)
727.448 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 MRIMULFTAILAFSLAQSG.....DVNQENVPSFGILKYPRAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 283366 seqs, 96191526 residues

Word size : 30

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : PIR_78:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
---------------	-------	----------------	--------	----	-------------

No matches found

Search completed: July 19, 2004, 20:52:38
Job time : 16 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 19, 2004, 20:47:12 ; Search time 54 Seconds
(without alignments)
633.116 Million cell updates/sec

Title: US-09-853-161-68
Perfect score: 121
Sequence: 1 MRIMLFTALAFSLAQSGF.....DVNQENVPSFGILKYPPEAE 121

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1586107 seqs, 282547505 residues

Word size : 30

Total number of hits satisfying chosen parameters: 571

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	121	100.0	121	2 AAW75212	Aaw75212 Human sec
2	121	100.0	121	2 AAW97213	Aaw97213 A human z
3	121	100.0	121	2 AAW74413	Aaw74413 HPMBQ91 p
4	121	100.0	121	4 AAB82380	Aab82380 Human neu
5	121	100.0	121	5 AAE26975	Aae26975 Human gen
6	121	100.0	121	5 AAE27113	Aae27113 Human gen
7	121	100.0	121	6 ABU64986	Abu64986 Human sec
8	121	100.0	137	4 ABB11878	Abb11878 Human neu
9	101	83.5	122	2 AAW96144	Aaw96144 Human pre
10	97	80.2	135	3 AAY66739	Aay66739 Membrane-
11	97	80.2	135	3 AAB33445	Aab33445 Human PRO
12	97	80.2	135	4 AAU29245	Aau29245 Human PRO
13	97	80.2	135	4 AAB65262	Aab65262 Human PRO
14	97	80.2	135	5 AAU83645	Aau83645 Human PRO
15	97	80.2	135	5 ABB84901	Abb84901 Human PRO
16	97	80.2	135	5 ABB95507	Abb95507 Human ang
17	97	80.2	135	6 ABU58621	Abu58621 Human PRO
18	97	80.2	135	6 ABU88169	Abu88169 Novel hum
19	97	80.2	135	6 ABU84484	Abu84484 Human sec
20	97	80.2	135	6 ABR66358	Abt66358 Human sec
21	97	80.2	135	6 ABR65748	Abt65748 Human sec
22	97	80.2	135	6 ABU99688	Abu99688 Human sec
23	97	80.2	135	6 ABU58077	Abu58077 Human PRO
24	97	80.2	135	6 ABU59155	Abu59155 Novel hum
25	97	80.2	135	6 ABU82667	Abu82667 Human sec

26	97	80.2	135	6 ABU82927	Abu82927 Human PRO
27	97	80.2	135	6 ABU90048	Abu90048 Novel hum
28	97	80.2	135	6 ABR68297	Abt68297 Human sec
29	97	80.2	135	6 ABU60586	Abu60586 Human sec
30	97	80.2	135	6 ABU96350	Abu96350 Novel hum
31	97	80.2	135	6 ABU92781	Abu92781 Human sec
32	97	80.2	135	6 ABU80792	Abu80792 Human PRO
33	97	80.2	135	6 ABO08858	Abu008858 Human sec
34	97	80.2	135	6 ABO02910	Abu002910 Human sec
35	97	80.2	135	6 ABR75064	Abt75064 Human sec
36	97	80.2	135	6 ABR94826	Abt94826 Human sec
37	97	80.2	135	6 ABO33758	Abu033758 Novel hum
38	97	80.2	135	6 ABU85799	Abu85799 Human PRO
39	97	80.2	135	6 ABU98959	Abu98959 Novel hum
40	97	80.2	135	6 ABU98174	Abu98174 Novel hum
41	97	80.2	135	6 ABU91880	Abu91880 Novel hum
42	97	80.2	135	6 ABU89573	Abu89573 Human PRO
43	97	80.2	135	6 ABU86414	Abu86414 Human sec
44	97	80.2	135	6 ABU67627	Abu67627 Human sec
45	97	80.2	135	6 ABU80655	Abu80655 Human PRO
46	97	80.2	135	6 ABU72553	Abu72553 Novel hum
47	97	80.2	135	6 ABR99573	Abt99573 Human sec
48	97	80.2	135	6 ABR98963	Abt98963 Human sec
49	97	80.2	135	6 ABO16486	Abu016486 Human sec
50	97	80.2	135	6 ABR92386	Abt92386 Human sec
51	97	80.2	135	6 ABO19027	Abu019027 Human sec
52	97	80.2	135	6 ABR78448	Abt78448 Human sec
53	97	80.2	135	6 ABU85184	Abu85184 Novel hum
54	97	80.2	135	6 ABO00323	Abu000323 Novel hum
55	97	80.2	135	6 ABO11655	Abu011655 Human sec
56	97	80.2	135	6 ABO02300	Abu002300 Human sec
57	97	80.2	135	6 ABU88874	Abu88874 Novel hum
58	97	80.2	135	6 ABU83569	Abu83569 Human sec
59	97	80.2	135	6 ABO06370	Abu006370 Novel hum
60	97	80.2	135	6 ABR59406	Abt59406 Human sec
61	97	80.2	135	6 ABO09468	Abu009468 Human sec
62	97	80.2	135	6 ABO19332	Abu019332 Novel hum
63	97	80.2	135	6 ABO11350	Abu011350 Human sec
64	97	80.2	135	6 ABR66968	Abt66968 Human sec
65	97	80.2	135	6 ABO16181	Abu016181 Human sec
66	97	80.2	135	6 ABO13887	Abu013887 Human sec
67	97	80.2	135	6 ABU65790	Abu65790 Human sec
68	97	80.2	135	6 ABO07638	Abu007638 Human PRO
69	97	80.2	135	6 ABO03825	Abu003825 Human sec
70	97	80.2	135	6 ABR67273	Abt67273 Human sec
71	97	80.2	135	6 ABO15876	Abu015876 Human sec
72	97	80.2	135	6 ABU56157	Abu56157 Human sec
73	97	80.2	135	6 ABU65485	Abu65485 Human PRO
74	97	80.2	135	6 ABU95430	Abu95430 Novel hum
75	97	80.2	135	6 ABO07943	Abu007943 Human PRO
76	97	80.2	135	6 ABR70184	Abt70184 Human sec
77	97	80.2	135	6 ABR69517	Abt69517 Human sec
78	97	80.2	135	6 ABO01658	Abu001658 Human PRO
79	97	80.2	135	6 ABU81460	Abu81460 Human PRO
80	97	80.2	135	6 ABR60257	Abt60257 Human sec
81	97	80.2	135	6 ABR67992	Abt67992 Human sec
82	97	80.2	135	6 ABR65380	Abt65380 Human sec
83	97	80.2	135	6 ABR68602	Abt68602 Human sec
84	97	80.2	135	6 ABR72014	Abt72014 Human sec
85	97	80.2	135	6 ABU85494	Abu85494 Human PRO
86	97	80.2	135	6 ABU89184	Abu89184 Human sec
87	97	80.2	135	6 ABU83264	Abu83264 Human sec
88	97	80.2	135	6 ABU95120	Abu95120 Novel hum
89	97	80.2	135	6 ABU90668	Abu90668 Novel hum
90	97	80.2	135	6 ABU84179	Abu84179 Human sec
91	97	80.2	135	6 ABU93830	Abu93830 Novel hum
92	97	80.2	135	6 ABO25999	Abu025999 Human PRO
93	97	80.2	135	6 ABR65075	Abt65075 Human sec
94	97	80.2	135	6 ABR68907	Abt68907 Human sec
95	97	80.2	135	6 ABO06723	Abu006723 Human sec
96	97	80.2	135		
97	97	80.2	135		
98	97	80.2	135		

99	97	80.2	135	6	ABR99268	Abt99268	Human	sec	172	97	80.2	135	6	ABM17385	Abm17385	Human	sec
100	97	80.2	135	6	ABU57152	Abu57152	Human	PRO	173	97	80.2	135	6	ABR95131	Abt95131	Human	sec
101	97	80.2	135	6	ABU86104	Abu86104	Novel	hum	174	97	80.2	135	6	ABR95436	Abt95436	Human	sec
102	97	80.2	135	6	ABU82391	Abu82391	Novel	hum	175	97	80.2	135	6	ABJ72281	Abj72281	Human	PRO
103	97	80.2	135	6	ABU87402	Abu87402	Human	PRO	176	97	80.2	135	6	ABO21674	AbO21674	Human	sec
104	97	80.2	135	6	ABU83874	Abu83874	Human	sec	177	97	80.2	135	6	ABR97938	Abt97938	Human	sec
105	97	80.2	135	6	ABO08248	AbO08248	Human	PRO	178	97	80.2	135	6	ABR87726	Abt87726	Human	sec
106	97	80.2	135	6	ABU81959	Abu81959	Novel	hum	179	97	80.2	135	6	ABM77767	Abm77767	Human	sec
107	97	80.2	135	6	ABU66123	Abu66123	Novel	hum	180	97	80.2	135	6	ABM27997	Abm27997	Human	sec
108	97	80.2	135	6	ABR59952	AbR59952	Human	sec	181	97	80.2	135	6	ABM06278	Abm06278	Human	sec
109	97	80.2	135	6	ABU94140	Abu94140	Novel	hum	182	97	80.2	135	6	ABM33784	Abm33784	Human	sec
110	97	80.2	135	6	ABO00013	AbO00013	Novel	hum	183	97	80.2	135	6	ABM35235	Abm35235	Human	sec
111	97	80.2	135	6	ABU82101	Abu82101	Novel	hum	184	97	80.2	135	6	ABM26472	Abm26472	Human	sec
112	97	80.2	135	6	ABR66663	AbR66663	Human	sec	185	97	80.2	135	6	ABO48254	AbO48254	Human	sec
113	97	80.2	135	6	ABR91081	AbR91081	Human	sec	186	97	80.2	135	6	ABR92296	Abt92296	Human	sec
114	97	80.2	135	6	ABU59008	Abu59008	Human	sec	187	97	80.2	135	6	ABO24757	AbO24757	Human	sec
115	97	80.2	135	6	ABU94508	Abu94508	Human	PRO	188	97	80.2	135	6	ADA37870	AdA37870	Human	sec
116	97	80.2	135	6	ABU79390	Abu79390	Human	PRO	189	97	80.2	135	6	ABM11768	Abm11768	Human	sec
117	97	80.2	135	6	ABU86719	Abu86719	Human	sec	190	97	80.2	135	6	ABM02869	Abm02869	Human	sec
118	97	80.2	135	6	ABU87024	Abu87024	Novel	hum	191	97	80.2	135	6	ABM16165	Abm16165	Human	sec
119	97	80.2	135	6	ABU94813	Abu94813	Human	PRO	192	97	80.2	135	6	ABO27726	AbO27726	Human	sec
120	97	80.2	135	6	ABO04740	AbO04740	Human	PRO	193	97	80.2	135	6	ABM29217	Abm29217	Human	sec
121	97	80.2	135	6	ABR70489	AbR70489	Human	sec	194	97	80.2	135	6	ABM21287	Abm21287	Human	sec
122	97	80.2	135	6	ABU92386	Abu92386	Novel	hum	195	97	80.2	135	6	ABM21287	Abm21287	Human	sec
123	97	80.2	135	6	ABU98654	Abu98654	Human	PRO	196	97	80.2	135	6	ABM09633	Abm09633	Human	sec
124	97	80.2	135	6	ABR66053	AbR66053	Human	sec	197	97	80.2	135	6	ABO41503	AbO41503	Human	sec
125	97	80.2	135	6	ABR64770	AbR64770	Human	sec	198	97	80.2	135	6	ABO43847	AbO43847	Human	PRO
126	97	80.2	135	6	ABU59451	Abu59451	Novel	hum	199	97	80.2	135	6	ABO43847	AbO43847	Human	PRO
127	97	80.2	135	6	ABU79695	Abu79695	Human	PRO	200	97	80.2	135	6	ABM76547	Abm76547	Human	sec
128	97	80.2	135	6	ABU93086	Abu93086	Human	sec	201	97	80.2	135	6	ABM76243	Abm76243	Human	sec
129	97	80.2	135	6	ABU96045	Abu96045	Human	PRO	202	97	80.2	135	6	ABM25862	Abm25862	Human	sec
130	97	80.2	135	6	ABU91265	Abu91265	Novel	hum	203	97	80.2	135	6	ABM26167	Abm26167	Human	sec
131	97	80.2	135	6	ABU90358	Abu90358	Novel	hum	204	97	80.2	135	6	ADA21556	AdA21556	Human	sec
132	97	80.2	135	6	ABO09773	AbO09773	Human	sec	205	97	80.2	135	6	ABO03520	AbO03520	Human	sec
133	97	80.2	135	6	ABR71099	AbR71099	Human	sec	206	97	80.2	135	6	ABO02605	AbO02605	Human	sec
134	97	80.2	135	6	ABU87707	Abu87707	Human	PRO	207	97	80.2	135	6	ABR90776	Abt90776	Human	sec
135	97	80.2	135	6	ABU91575	Abu91575	Human	PRO	208	97	80.2	135	6	ABR73844	AbR73844	Human	sec
136	97	80.2	135	6	ABU84789	Abu84789	Human	sec	209	97	80.2	135	6	ABO17096	AbO17096	Human	sec
137	97	80.2	135	6	ABR69879	AbR69879	Human	sec	210	97	80.2	135	6	ABR94521	AbR94521	Human	sec
138	97	80.2	135	6	ABU80256	Abu80256	Human	PRO	211	97	80.2	135	6	ABR76028	Abt76028	Human	sec
139	97	80.2	135	6	ABU92217	Abu92217	Novel	hum	212	97	80.2	135	6	ABR71404	AbR71404	Human	sec
140	97	80.2	135	6	ABU93525	Abu93525	Human	PRO	213	97	80.2	135	6	ABR93301	Abt93301	Human	sec
141	97	80.2	135	6	ABO10078	AbO10078	Human	sec	214	97	80.2	135	6	ADA10343	AdA10343	Human	sec
142	97	80.2	135	6	ABO09163	AbO09163	Human	sec	215	97	80.2	135	6	ABR88031	Abt88031	Human	sec
143	97	80.2	135	6	ABU10923	Abu10923	Human	PRO	216	97	80.2	135	6	ABO28031	AbO28031	Human	sec
144	97	80.2	135	6	ABU10731	Abu10731	Human	sec	217	97	80.2	135	6	ABO30166	AbO30166	Human	sec
145	97	80.2	135	6	ABU81675	Abu81675	Novel	hum	218	97	80.2	135	6	ABO33375	AbO33375	Human	PRO
146	97	80.2	135	6	ABU95740	Abu95740	Human	PRO	219	97	80.2	135	6	ABM05063	Abm05063	Human	sec
147	97	80.2	135	6	ABU96949	Abu96949	Novel	hum	220	97	80.2	135	6	ABM09023	Abm09023	Human	sec
148	97	80.2	135	6	ABR70794	Abt70794	Human	sec	221	97	80.2	135	6	ABO36623	AbO36623	Human	sec
149	97	80.2	135	6	ABO05145	AbO05145	Novel	hum	222	97	80.2	135	6	ABO39673	AbO39673	Human	sec
150	97	80.2	135	6	ABO08553	AbO08553	Human	sec	223	97	80.2	135	6	ABO35708	AbO35708	Human	PRO
151	97	80.2	135	6	ABU88614	Abu88614	Human	sec	224	97	80.2	135	6	ABM10548	Abm10548	Human	sec
152	97	80.2	135	6	ABO34128	AbO34128	Human	PRO	225	97	80.2	135	6	ABM12073	Abm12073	Human	sec
153	97	80.2	135	6	ABO05760	AbO05760	Human	sec	226	97	80.2	135	6	ABO52219	AbO52219	Human	PRO
154	97	80.2	135	6	ABR74149	Abt74149	Human	sec	227	97	80.2	135	6	ABO52524	AbO52524	Human	PRO
155	97	80.2	135	6	ABR95741	Abt95741	Human	sec	228	97	80.2	135	6	ABO23842	AbO23842	Human	sec
156	97	80.2	135	6	ABR81038	Abt81038	Human	sec	229	97	80.2	135	6	ADA17887	AdA17887	Human	PRO
157	97	80.2	135	6	ABR81343	Abt81343	Human	sec	230	97	80.2	135	6	ABR97328	Abt97328	Human	sec
158	97	80.2	135	6	ABM01039	Abm01039	Human	sec	231	97	80.2	135	6	ABR87116	Abt87116	Human	sec
159	97	80.2	135	6	ABR88641	Abt88641	Human	sec	232	97	80.2	135	6	ABM11158	Abm11158	Human	sec
160	97	80.2	135	6	ABM77462	Abm77462	Human	sec	233	97	80.2	135	6	ABM28302	Abm28302	Human	sec
161	97	80.2	135	6	ABO28946	AbO28946	Human	sec	234	97	80.2	135	6	ABO32301	AbO32301	Human	sec
162	97	80.2	135	6	ABO31691	AbO31691	Human	sec	235	97	80.2	135	6	ABM15428	Abm15428	Human	sec
163	97	80.2	135	6	ABM08108	Abm08108	Human	sec	236	97	80.2	135	6	ABM06583	Abm06583	Human	sec
164	97	80.2	135	6	ABO40588	AbO40588	Human	sec	237	97	80.2	135	6	ABM04394	Abm04394	Human	sec
165	97	80.2	135	6	ABO36013	AbO36013	Human	PRO	238	97	80.2	135	6	ABM22507	Abm22507	Human	sec
166	97	80.2	135	6	ABO44152	AbO44152	Human	PRO	239	97	80.2	135	6	ABM07803	Abm07803	Human	sec
167	97	80.2	135	6	ADA78196	AdA78196	Human	sec	240	97	80.2	135	6	ABM35540	Abm35540	Human	sec
168	97	80.2	135	6	ABM24947	Abm24947	Human	sec	241	97	80.2	135	6	ABM33303	Abm33303	Human	sec
169	97	80.2	135	6	ABO03215	AbO03215	Human	sec	242	97	80.2	135	6	ABO52829	AbO52829	Human	PRO
170	97	80.2	135	6	ABR90471	Abt90471	Human	sec	243	97	80.2	135	6				
171	97	80.2	135	6					244	97	80.2	135	6				

245	97	80.2	135	6	ABO50389	AbO50389	Human	sec	318	97	80.2	135	6	ABO48559	AbO48559	Human	sec
246	97	80.2	135	6	ABU99383	Abu99383	Human	sec	319	97	80.2	135	6	ABO51609	AbO51609	Human	PRO
247	97	80.2	135	6	ABO04435	AbO04435	Human	sec	320	97	80.2	135	6	ABO51914	AbO51914	Human	PRO
248	97	80.2	135	6	ABO06065	AbO06065	Human	sec	321	97	80.2	135	6	ABO50694	AbO50694	Human	sec
249	97	80.2	135	6	ABM18605	Abm18605	Human	sec	322	97	80.2	135	6	ABR79818	AbR79818	Human	sec
250	97	80.2	135	6	ADA27995	Ada27995	Human	sec	323	97	80.2	135	6	ABM17080	Abm17080	Human	sec
251	97	80.2	135	6	ABR97633	AbR97633	Human	sec	324	97	80.2	135	6	ABO18112	AbO18112	Human	sec
252	97	80.2	135	6	ABR80733	AbR80733	Human	sec	325	97	80.2	135	6	ABO21064	AbO21064	Human	sec
253	97	80.2	135	6	ABM01344	Abm01344	Human	sec	326	97	80.2	135	6	ABR97023	AbR97023	Human	sec
254	97	80.2	135	6	ABR88946	AbR88946	Human	sec	327	97	80.2	135	6	ADA38800	Ada38800	Human	sec
255	97	80.2	135	6	ABM13598	Abm13598	Human	sec	328	97	80.2	135	6	ABM12378	Abm12378	Human	sec
256	97	80.2	135	6	ABM20982	Abm20982	Human	sec	329	97	80.2	135	6	ABM16470	Abm16470	Human	sec
257	97	80.2	135	6	ABO42113	AbO42113	Human	sec	330	97	80.2	135	6	ABM24337	Abm24337	Human	sec
258	97	80.2	135	6	ABO42723	AbO42723	Human	sec	331	97	80.2	135	6	ABM14818	Abm14818	Human	sec
259	97	80.2	135	6	ABM10243	Abm10243	Human	sec	332	97	80.2	135	6	ABM04699	Abm04699	Human	sec
260	97	80.2	135	6	ABO38758	AbO38758	Human	sec	333	97	80.2	135	6	ABM06888	Abm06888	Human	sec
261	97	80.2	135	6	ABM32998	Abm32998	Human	sec	334	97	80.2	135	6	ABM09328	Abm09328	Human	sec
262	97	80.2	135	6	ABM22812	Abm22812	Human	sec	335	97	80.2	135	6	ABO39368	AbO39368	Human	sec
263	97	80.2	135	6	ABM75023	Abm75023	Human	sec	336	97	80.2	135	6	ABM75633	Abm75633	Human	sec
264	97	80.2	135	6	ADA79988	Ada79988	Human	sec	337	97	80.2	135	6	ABM25557	Abm25557	Human	sec
265	97	80.2	135	6	ABR96413	AbR96413	Human	sec	338	97	80.2	135	6	ABM20067	Abm20067	Human	sec
266	97	80.2	135	6	ABM02564	Abm02564	Human	sec	339	97	80.2	135	6	ABO46973	AbO46973	Human	PRO
267	97	80.2	135	6	ABR86506	AbR86506	Human	sec	340	97	80.2	135	6	ABO47278	AbO47278	Human	PRO
268	97	80.2	135	6	ABR86811	AbR86811	Human	sec	341	97	80.2	135	6	ADA83513	Ada83513	Human	sec
269	97	80.2	135	6	ABM16775	Abm16775	Human	sec	342	97	80.2	135	6	ABR71709	AbR71709	Human	sec
270	97	80.2	135	6	ABM29827	Abm29827	Human	sec	343	97	80.2	135	6	ABR72319	AbR72319	Human	sec
271	97	80.2	135	6	ABO29251	AbO29251	Human	sec	344	97	80.2	135	6	ABR98658	AbR98658	Human	sec
272	97	80.2	135	6	ABM24032	Abm24032	Human	sec	345	97	80.2	135	6	ABO07028	AbO07028	Human	sec
273	97	80.2	135	6	ABM23422	Abm23422	Human	sec	346	97	80.2	135	6	ABR84981	AbR84981	Human	sec
274	97	80.2	135	6	ABM22202	Abm22202	Human	sec	347	97	80.2	135	6	ABR73539	AbR73539	Human	sec
275	97	80.2	135	6	ABO37843	AbO37843	Human	sec	348	97	80.2	135	6	ABR76633	AbR76633	Human	sec
276	97	80.2	135	6	ABM28607	Abm28607	Human	sec	349	97	80.2	135	6	ABR73234	AbR73234	Human	PRO
277	97	80.2	135	6	ABM28912	Abm28912	Human	sec	350	97	80.2	135	6	ABU72409	AbU72409	Human	PRO
278	97	80.2	135	6	ABM66556	Abm66556	Human	sec	351	97	80.2	135	6	ABM18300	Abm18300	Human	sec
279	97	80.2	135	6	ABM75938	Abm75938	Human	sec	352	97	80.2	135	6	ABO20759	AbO20759	Human	sec
280	97	80.2	135	6	ABM34218	Abm34218	Human	sec	353	97	80.2	135	6	ABO25502	AbO25502	Human	PRO
281	97	80.2	135	6	ABM34523	Abm34523	Human	sec	354	97	80.2	135	6	ABO25807	AbO25807	Human	PRO
282	97	80.2	135	6	ABO20454	AbO20454	Human	sec	355	97	80.2	135	6	ABR94216	AbR94216	Human	sec
283	97	80.2	135	6	ABO21369	AbO21369	Human	sec	356	97	80.2	135	6	ADA92921	Ada92921	Human	sec
284	97	80.2	135	6	ABO22284	AbO22284	Human	sec	357	97	80.2	135	6	ABR80123	AbR80123	Human	sec
285	97	80.2	135	6	ABR96718	AbR96718	Human	sec	358	97	80.2	135	6	ABM11463	Abm11463	Human	sec
286	97	80.2	135	6	ADA94575	Ada94575	Human	sec	359	97	80.2	135	6	ABO33070	AbO33070	Human	PRO
287	97	80.2	135	6	ABR85896	AbR85896	Human	sec	360	97	80.2	135	6	ABO30776	AbO30776	Human	sec
288	97	80.2	135	6	ABR99878	AbR99878	Human	sec	361	97	80.2	135	6	ABO31081	AbO31081	Human	sec
289	97	80.2	135	6	ABM00734	Abm00734	Human	sec	362	97	80.2	135	6	ABM27387	Abm27387	Human	sec
290	97	80.2	135	6	ABM00429	Abm00429	Human	sec	363	97	80.2	135	6	ABM30132	Abm30132	Human	sec
291	97	80.2	135	6	ABO29861	AbO29861	Human	sec	364	97	80.2	135	6	ABM05668	Abm05668	Human	sec
292	97	80.2	135	6	ABM23727	Abm23727	Human	sec	365	97	80.2	135	6	ABM15733	Abm15733	Human	sec
293	97	80.2	135	6	ABM29522	Abm29522	Human	sec	366	97	80.2	135	6	ABM08718	Abm08718	Human	sec
294	97	80.2	135	6	ABO38453	AbO38453	Human	sec	367	97	80.2	135	6	ABO42418	AbO42418	Human	sec
295	97	80.2	135	6	ABO45753	AbO45753	Human	PRO	368	97	80.2	135	6	ABO38148	AbO38148	Human	sec
296	97	80.2	135	6	ABM20677	Abm20677	Human	sec	369	97	80.2	135	6	ABO46058	AbO46058	Human	PRO
297	97	80.2	135	6	ADA81715	Ada81715	Human	sec	370	97	80.2	135	6	ABM66861	Abm66861	Human	sec
298	97	80.2	135	6	ABO16791	AbO16791	Human	sec	371	97	80.2	135	6	ADB20556	Abd20556	Human	sec
299	97	80.2	135	6	ABO22844	AbO22844	Human	PRO	372	97	80.2	135	6	ABM19762	Abm19762	Human	sec
300	97	80.2	135	6	ABO22844	AbO22844	Human	PRO	373	97	80.2	135	6	ABO49474	AbO49474	Human	sec
301	97	80.2	135	6	ABO23149	AbO23149	Human	PRO	374	97	80.2	135	6	ABO49779	AbO49779	Human	sec
302	97	80.2	135	6	ABR92691	AbR92691	Human	sec	375	97	80.2	135	6	ADA78808	Ada78808	Human	sec
303	97	80.2	135	6	ABR81648	AbR81648	Human	sec	376	97	80.2	135	6	ABO34304	AbO34304	Human	sec
304	97	80.2	135	6	ABM78072	Abm78072	Human	sec	377	97	80.2	135	6	ABR88336	AbR88336	Human	sec
305	97	80.2	135	6	ABR89861	AbR89861	Human	sec	378	97	80.2	135	6	ABM27082	Abm27082	Human	sec
306	97	80.2	135	6	ABM26777	Abm26777	Human	sec	379	97	80.2	135	6	ABM03479	Abm03479	Human	sec
307	97	80.2	135	6	ABM13903	Abm13903	Human	sec	380	97	80.2	135	6	ABO39978	AbO39978	Human	sec
308	97	80.2	135	6	ABO28641	AbO28641	Human	sec	381	97	80.2	135	7	ABO50084	AbO50084	Human	sec
309	97	80.2	135	6	ABO30471	AbO30471	Human	sec	382	97	80.2	135	7	ABO50999	AbO50999	Human	sec
310	97	80.2	135	6	ABM07498	Abm07498	Human	sec	383	97	80.2	135	7	ABO05455	AbO05455	Human	sec
311	97	80.2	135	6	ABM04089	Abm04089	Human	sec	384	97	80.2	135	7	ABR74759	AbR74759	Human	sec
312	97	80.2	135	6	ABO37233	AbO37233	Human	sec	385	97	80.2	135	7	ABR77238	AbR77238	Human	sec
313	97	80.2	135	6	ABO41808	AbO41808	Human	sec	386	97	80.2	135	7	ABM17995	Abm17995	Human	sec
314	97	80.2	135	6	ABO35403	AbO35403	Human	PRO	387	97	80.2	135	7	ABR96046	AbR96046	Human	sec
315	97	80.2	135	6	ABM25252	Abm25252	Human	sec	388	97	80.2	135	7	ABO21979	AbO21979	Human	sec
316	97	80.2	135	6	ABO47644	AbO47644	Human	sec	389	97	80.2	135	7	ABO20149	AbO20149	Human	sec
317	97	80.2	135	6	ABO47949	AbO47949	Human	sec	390	97	80.2	135	7	ABO24452	AbO24452	Human	sec

391	97	80.2	135	7	ABR86201	Abt86201	Human	sec	464	97	80.2	135	7	ABM75328	Abm75328	Human	sec
392	97	80.2	135	7	ABM10853	Abm10853	Human	sec	465	97	80.2	135	7	ABM33608	Abm33608	Human	sec
393	97	80.2	135	7	ABM76852	Abm76852	Human	sec	466	97	80.2	135	7	ABO46363	AbO46363	Human	PRO
394	97	80.2	135	7	ABR89556	Abt89556	Human	sec	467	97	80.2	135	7	ADA82879	Ada82879	Human	sec
395	97	80.2	135	7	ABM12683	Abm12683	Human	sec	468	97	80.2	135	7	ADB83598	Adb83598	Novel	hum
396	97	80.2	135	7	ABM05973	Abm05973	Human	sec	469	97	80.2	135	7	ADB80704	Adb80704	Novel	hum
397	97	80.2	135	7	ABO35098	AbO35098	Human	PRO	470	97	80.2	135	7	ADB73245	Adb73245	Novel	hum
398	97	80.2	135	7	ABM03174	Abm03174	Human	sec	471	97	80.2	135	7	ADB96367	Adb96367	Human	PRO
399	97	80.2	135	7	ABM19152	Abm19152	Human	sec	472	97	80.2	135	7	ABM31962	Abm31962	Human	sec
400	97	80.2	135	7	ABM19457	Abm19457	Human	sec	473	97	80.2	135	7	ADB78327	Adb78327	Novel	hum
401	97	80.2	135	7	ABO46668	AbO46668	Human	PRO	474	97	80.2	135	7	ABM31352	Abm31352	Human	sec
402	97	80.2	135	7	ABO49169	AbO49169	Human	sec	475	97	80.2	135	7	ADB84975	Adb84975	Human	PRO
403	97	80.2	135	7	ABR69212	Abt69212	Human	sec	476	97	80.2	135	7	ADB78081	Adb78081	Novel	hum
404	97	80.2	135	7	ABR89251	Abt89251	Human	sec	477	97	80.2	135	7	ADB86187	Adb86187	Human	sec
405	97	80.2	135	7	ABR72624	Abt72624	Human	sec	478	97	80.2	135	7	ABM32267	Abm32267	Human	sec
406	97	80.2	135	7	ABR74454	Abt74454	Human	sec	479	97	80.2	135	7	ABM32572	Abm32572	Human	sec
407	97	80.2	135	7	ABO18722	AbO18722	Human	sec	480	97	80.2	135	7	ADB87147	Adb87147	Human	PRO
408	97	80.2	135	7	ABR80428	Abt80428	Human	sec	481	97	80.2	135	7	ADB84729	Adb84729	Human	PRO
409	97	80.2	135	7	ABM01649	Abm01649	Human	sec	482	97	80.2	135	7	ABM31657	Abm31657	Human	sec
410	97	80.2	135	7	ABM02259	Abm02259	Human	sec	483	97	80.2	135	7	ABM31047	Abm31047	Human	sec
411	97	80.2	135	7	ABR87421	Abt87421	Human	sec	484	97	80.2	135	7	ADB83844	Adb83844	Novel	hum
412	97	80.2	135	7	ABM12988	Abm12988	Human	sec	485	97	80.2	135	7	ADB72999	Adb72999	Novel	hum
413	97	80.2	135	7	ABM30742	Abm30742	Human	sec	486	97	80.2	135	7	ADC57839	Adc57839	Human	PRO
414	97	80.2	135	7	ABM24642	Abm24642	Human	sec	487	97	80.2	135	7	ADC55203	Adc55203	Human	PRO
415	97	80.2	135	7	ABO29556	AbO29556	Human	sec	488	97	80.2	135	7	ADC12070	Adc12070	Human	sec
416	97	80.2	135	7	ABO31386	AbO31386	Human	sec	489	97	80.2	135	7	ADC56492	Adc56492	Human	PRO
417	97	80.2	135	7	ABM14513	Abm14513	Human	sec	490	97	80.2	135	7	ADC07547	Adc07547	Human	sec
418	97	80.2	135	7	ABM09938	Abm09938	Human	sec	491	97	80.2	135	7	ADC11537	Adc11537	Human	sec
419	97	80.2	135	7	ABO39063	AbO39063	Human	sec	492	97	80.2	135	7	ADC36837	Adc36837	Human	PRO
420	97	80.2	135	7	ABM34828	Abm34828	Human	sec	493	97	80.2	135	7	ADC21827	Adc21827	Human	PRO
421	97	80.2	135	7	ABO51304	AbO51304	Human	sec	494	97	80.2	135	7	ADC49858	Adc49858	Novel	hum
422	97	80.2	135	7	ABO04130	AbO04130	Human	sec	495	97	80.2	135	7	ADC49057	Adc49057	Novel	hum
423	97	80.2	135	7	ABO10600	AbO10600	Human	PRO	496	97	80.2	135	7	ADC49574	Adc49574	Novel	hum
424	97	80.2	135	7	ABO53214	AbO53214	Human	sec	497	97	80.2	135	7	ADC47435	Adc47435	Novel	hum
425	97	80.2	135	7	ABR77843	Abt77843	Human	sec	498	97	80.2	135	7	ADC14659	Adc14659	Novel	hum
426	97	80.2	135	7	ABR79053	Abt79053	Human	sec	499	97	80.2	135	7	ADC47180	Adc47180	Novel	hum
427	97	80.2	135	7	ABO24147	AbO24147	Human	sec	500	97	80.2	135	7	ADD08191	Add08191	Novel	hum
428	97	80.2	135	7	ABR93911	Abt93911	Human	sec	501	97	80.2	135	7	ADC82016	Adc82016	Human	PRO
429	97	80.2	135	7	ABM01954	Abm01954	Human	sec	502	97	80.2	135	7	ADD07658	Add07658	Novel	hum
430	97	80.2	135	7	ABM78377	Abm78377	Human	sec	503	97	80.2	135	7	ADC78055	Adc78055	Novel	hum
431	97	80.2	135	7	ABR90166	Abt90166	Human	sec	504	97	80.2	135	7	ADC82549	Adc82549	Human	PRO
432	97	80.2	135	7	ADA22482	Ada22482	Human	sec	505	97	80.2	135	7	ADD06290	Add06290	Novel	hum
433	97	80.2	135	7	ABM27692	Abm27692	Human	sec	506	97	80.2	135	7	ADD05917	Add05917	Human	sec
434	97	80.2	135	7	ABM13293	Abm13293	Human	sec	507	97	80.2	135	7	ADD10459	Add10459	Human	sec
435	97	80.2	135	7	ABO31996	AbO31996	Human	sec	508	97	80.2	135	7	ADD08729	Add08729	Novel	hum
436	97	80.2	135	7	ABM14208	Abm14208	Human	sec	509	97	80.2	135	7	ADC77809	Adc77809	Novel	hum
437	97	80.2	135	7	ABM08413	Abm08413	Human	sec	510	97	80.2	135	7	ADD06978	Add06978	Novel	hum
438	97	80.2	135	7	ABO40283	AbO40283	Human	sec	511	97	80.2	135	7	ADD11419	Add11419	Human	sec
439	97	80.2	135	7	ABM74718	Abm74718	Human	sec	512	97	80.2	135	7	ADC83225	Adc83225	Human	PRO
440	97	80.2	135	7	ABM33913	Abm33913	Human	sec	513	97	80.2	135	7	ADD50772	Add50772	Novel	hum
441	97	80.2	135	7	ABM20372	Abm20372	Human	sec	514	97	80.2	135	7	ADD51018	Add51018	Novel	hum
442	97	80.2	135	7	ABO48864	AbO48864	Human	sec	515	97	80.2	135	7	ADD55332	Add55332	Human	PRO
443	97	80.2	135	7	ABO22584	AbO22584	Human	sec	516	97	80.2	135	7	ADD37212	Add37212	Human	sec
444	97	80.2	135	7	ABR72929	Abt72929	Human	sec	517	97	80.2	135	7	ADD56290	Add56290	Human	PRO
445	97	80.2	135	7	ABO15571	AbO15571	Human	sec	518	97	80.2	135	7	ADD50499	Add50499	Human	PRO
446	97	80.2	135	7	ABR85286	Abt85286	Human	sec	519	97	80.2	135	7	ADD54728	Add54728	Human	PRO
447	97	80.2	135	7	ABO15266	AbO15266	Human	sec	520	97	80.2	135	7	ADD50253	Add50253	Human	PRO
448	97	80.2	135	7	ABO17401	AbO17401	Human	sec	521	97	80.2	135	7	ADD51264	Add51264	Novel	hum
449	97	80.2	135	7	ABM17690	Abm17690	Human	sec	522	97	80.2	135	7	ADBE2882	Adbe2882	Novel	hum
450	97	80.2	135	7	ADA06648	Ada06648	Human	sec	523	97	80.2	135	7	ADE26349	Ade26349	Novel	hum
451	97	80.2	135	7	ABJ72111	Abj72111	Human	mem	524	97	80.2	135	8	ADC48811	Ade48811	Novel	hum
452	97	80.2	135	7	ADA39341	Ada39341	Human	sec	525	97	80.2	135	8	ADE20982	Ade20982	Novel	hum
453	97	80.2	135	7	ABR85591	Abt85591	Human	sec	526	97	80.2	135	8	ADE05826	Ade05826	Human	PRO
454	97	80.2	135	7	ABM77157	Abm77157	Human	sec	527	97	80.2	135	8	ADD75055	Add75055	Human	PRO
455	97	80.2	135	7	ABO28336	AbO28336	Human	sec	528	97	80.2	135	8	ADD75801	Add75801	Novel	hum
456	97	80.2	135	7	ABM23117	Abm23117	Human	sec	529	97	80.2	135	8	ADD85033	Add85033	Novel	hum
457	97	80.2	135	7	ABM30437	Abm30437	Human	sec	530	97	80.2	135	8	ADD86859	Add86859	Novel	hum
458	97	80.2	135	7	ABM21897	Abm21897	Human	sec	531	97	80.2	135	8	ADE20736	Ade20736	Novel	hum
459	97	80.2	135	7	ABM21592	Abm21592	Human	sec	532	97	80.2	135	8	ADBE39033	Ade39033	Novel	hum
460	97	80.2	135	7	ABM15123	Abm15123	Human	sec	533	97	80.2	135	8	ADBE05580	Ade05580	Human	PRO
461	97	80.2	135	7	ABO41198	AbO41198	Human	sec	534	97	80.2	135	8	ADD73565	Add73565	Human	PRO
462	97	80.2	135	7	ABO36928	AbO36928	Human	sec	535	97	80.2	135	8	ADD78405	Add78405	Novel	hum
463	97	80.2	135	7	ABO37538	AbO37538	Human	sec	536	97	80.2	135	8	ADE41420	Ade41420	Human	sec

537	97	80.2	135	8	ADe74581	ADe74581	Human sec
538	97	80.2	135	8	ADe21228	ADe21228	Novel hum
539	97	80.2	135	8	ADD77343	ADD77343	Novel hum
540	97	80.2	135	8	ADe20490	ADe20490	Novel hum
541	97	80.2	135	8	ADD75555	ADD75555	Human PRO
542	97	80.2	135	8	ADD74071	ADD74071	Human PRO
543	97	80.2	135	8	ADD74317	ADD74317	Human PRO
544	97	80.2	135	8	ADD76047	ADD76047	Novel hum
545	97	80.2	135	8	ADD85539	ADD85539	Novel hum
546	97	80.2	135	8	ADe05088	ADe05088	Human PRO
547	97	80.2	135	8	ADD75301	ADD75301	Human PRO
548	97	80.2	135	8	ADD76845	ADD76845	Novel hum
549	97	80.2	135	8	ADD86613	ADD86613	Novel hum
550	97	80.2	135	8	ADD78081	ADD78081	Novel hum
551	97	80.2	135	8	ADe75193	ADe75193	Human sec
552	97	80.2	135	8	ADD77589	ADD77589	Novel hum
553	97	80.2	135	8	ADD77835	ADD77835	Novel hum
554	97	80.2	135	8	ADD85293	ADD85293	Novel hum
555	97	80.2	135	8	ADD73825	ADD73825	Human PRO
556	97	80.2	135	8	ADD74563	ADD74563	Human PRO
557	97	80.2	135	8	ADD77091	ADD77091	Novel hum
558	97	80.2	135	8	ADD85785	ADD85785	Novel hum
559	97	80.2	135	8	ADe05334	ADe05334	Human PRO
560	97	80.2	135	8	ADD74809	ADD74809	Human PRO
561	66	54.5	121	2	AAW75228	AAW75228	Human sec
562	66	54.5	121	5	AAE26992	AAE26992	Human gen
563	66	54.5	121	5	AAE27130	AAE27130	Human gen
564	66	54.5	121	6	ABU65003	ABU65003	Human sec
565	49	40.5	51	2	AAy12634	AAy12634	Human 5'
566	40	33.1	44	6	ABP70776	ABp70776	Human ext
567	39	32.2	39	2	AAW74414	AAw74414	HPMBQ91 P
568	36	29.8	36	2	AAW75249	AAw75249	Fragment
569	36	29.8	36	5	AAE27015	Aae27015	Human gen
570	36	29.8	36	5	AAE27153	Aae27153	Human gen
571	36	29.8	36	6	ABU65026	ABu65026	Human sec

ALIGNMENTS

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RESULT 1
ID   AAW75212 standard; protein; 121 AA.
AC   AAW75212;
XX
DT   29-JAN-1999 (first entry)
DE   Human secreted protein encoded by gene 17 clone HPMBQ91.
XX
KW   Human; secreted protein; fusion protein; gene therapy; protein therapy;
KW   diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;
KW   developmental abnormality; foetal deficiency; blood; allergy; renal;
KW   immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;
KW   inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;
KW   cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;
KW   osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;
KW   endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.
XX
OS   Homo sapiens.
XX
PN   WO9840483-A2.
XX
PD   17-SEP-1998.
XX
PF   12-MAR-1998; 98WO-US004858.
XX
PR   14-MAR-1997; 97US-0040710P.
PR   14-MAR-1997; 97US-0040762P.
PR   30-MAY-1997; 97US-0048100P.
PR   30-MAY-1997; 97US-0048189P.
PR   30-MAY-1997; 97US-0048357P.
PR   30-MAY-1997; 97US-0050934P.
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PR   06-JUN-1997; 97US-0048970P.
PR   05-SEP-1997; 97US-0057765P.
PR   19-DEC-1997; 97US-0068368P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H,
PI   Soppet DR, Gentz RL, Wei YF, Moore PA, Young PE, Greene JM;
PI   Ferrie AM;
XX
DR   WPI; 1998-520811/44.
DR   N-PSDB; AAV34302.
XX
PT   Isolated human poly:nucleotide(s) encoding secretory peptide(s) - used to
PT   develop products for the diagnosis and treatment of e.g. inflammation,
PT   cancers, CNS disorders or immune system disorders.
XX
PS   Claim 1; Page 162-163; 201pp; English.
XX
CC   This sequence represents a secreted human protein encoded by the gene
CC   clone detailed in the descriptor line. The gene can be used to generate
CC   fusion proteins by linking to the gene to a human immunoglobulin Fc
CC   portion (e.g. AAV34277) for increasing the stability of the fused protein
CC   as compared to the human protein only. The invention relates to 28 novel
CC   genes and their fragments (nucleic acid sequences: AAV34286-V34325; amino
CC   acid sequences AAW75196-W75235) which are useful for preventing, treating
CC   or ameliorating medical conditions e.g. by protein or gene therapy. Also,
CC   pathological conditions can be diagnosed by determining the amount of the
CC   new polypeptides in a sample or by determining the presence of mutations
CC   in the new polynucleotides. Specific uses are described for each of the
CC   28 polynucleotides, based on which tissues they are most highly expressed
CC   in (see AAV34286 for described uses)
XX
SQ   Sequence 121 AA;

Query Match      100.0%; Score 121; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY   1 MRIMLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLQLQLFKSHSLEGL 60
DB   1 MRIMLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLQLQLFKSHSLEGL 60
QY   61 LKALSGASTDPKESTSPKRDHDFVGLMGKRSVQPDSPDVNQENVPFGLTKYPPRA 120
DB   61 LKALSGASTDPKESTSPKRDHDFVGLMGKRSVQPDSPDVNQENVPFGLTKYPPRA 120
QY   121 E 121
DB   121 E 121

RESULT 2
ID   AAW97213 standard; protein; 121 AA.
AC   AAW97213;
XX
DT   07-MAY-1999 (first entry)
DE   A human zneurok1 polypeptide.
XX
KW   Human; zneurok1; neurokinin B; prohormone convertase; cell growth;
KW   modulation; inflammation; noinception; emesis; contraction;
KW   hormone secretion; DNA synthesis; inositol phosphate turnover;
KW   arachidonate release; phospholipase-C activation; gastric emptying;
KW   human neutrophil activation; ADCC capability;
KW   superoxide anion production; gene therapy.
XX
OS   Homo sapiens.
XX
PN   WO9855612-A1.
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PD 10-DEC-1998.
XX
PF 28-MAY-1998; 98WO-US010842.
XX
PR 02-JUN-1997; 97US-0048290P.
XX
PA (ZYMO) ZYMOGENETICS INC.
XX
PI Sheppard PO;
XX
DR WPI; 1999-070268/06.
DR N-PSDB; AAX15447.
XX
PT New isolated neurokinin polypeptides, zneurok1 - used to develop products
PT for modulating e.g. inflammation, nioception, emesis, muscle
PT contraction, hormone secretion, DNA synthesis or cell growth.
XX
PS Claim 3; Page 76-77; 100pp; English.
XX
CC The present sequence represents a human zneurok1 polypeptide. The
CC polypeptide releases a neurokinin B polypeptide in the presence of a
CC prohormone convertase capable of cleaving dibasic amino acids. The
CC zneurok1 polypeptides can be used for modulating inflammation,
CC noiception or emesis. The polypeptides, fragments, fusion proteins,
CC agonists, antagonists or antibodies may also modulate contraction,
CC hormone secretion, DNA synthesis or cell growth, inositol phosphate
CC turnover, arachidonate release, phospholipase-C activation, gastric
CC emptying, human neutrophil activation or ADCC capability, or superoxide
CC anion production. The polynucleotides can also be used for gene therapy.
CC The products can also be used for detection, diagnosis and screening
CC assays
XX
SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPEEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPEEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKEXSTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPPRA 120
Db 61 LKALSQASTDPKEXSTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPPRA 120

QY 121 E 121
Db 121 E 121

RESULT 3
AAW74413
ID AAW74413 standard; protein; 121 AA.
XX
AC AAW74413;
XX
DT 10-MAY-1999 (first entry)
XX
DE HPMBQ91 protein sequence.
XX
KW HPMBQ91; neurokinin B precursor; neuronal disorder; CNS related disorder;
KW gastrointestinal disorder; cardiovascular disorder; metabolic disorder;
KW smooth muscle disorder; inflammatory disorder; cancer; gene therapy.
XX
OS Homo sapiens.
XX
PN EP892053-A2.
XX
PD 20-JAN-1999.
PF 26-JUN-1998; 98EP-00305066.
XX

PR 14-JUL-1997; 97EP-00305215.
XX
PA (SMIK) SMITHKLINE BEECHAM PLC.
PA (HUMA-) HUMAN GENOME SCI.
XX
PI Duckworth DM, Hastings GA, Ruben SM;
XX
DR WPI; 1999-083570/08.
DR N-PSDB; AAX18197.
XX
PT New human neurokinin B precursor (HPMBQ91) polypeptides and
PT polynucleotide - useful as diagnostic reagents and for prevention and
PT treatment of neuronal, metabolic, inflammatory and gastrointestinal
PT disorders, and cancers.
XX
PS Claim 11; Page 14-15; 18pp; English.
XX
CC This sequence is the human neurokinin B precursor HPMBQ91 of the
CC invention. HPMBQ91 polypeptides and polynucleotides are useful for
CC diagnosing susceptibility to diseases associated with HPMBQ91 protein
CC imbalance by determining HPMBQ91 polypeptide expression levels. HPMBQ91
CC polypeptides can be used to screen for agonists and antagonists by
CC measuring the binding to HPMBQ91, and observing the stimulation or
CC inhibition of HPMBQ91 function. These can be used in treatment to
CC activate or inhibit HPMBQ91 activity to treat conditions associated with
CC a lack of HPMBQ91 protein. Gene therapy may also be used to affect
CC endogenous HPMBQ91 polypeptide expression. HPMBQ91 antibodies are useful
CC for inducing an immune response to immunise and prevent disease, and for
CC isolating HPMBQ91 clones or purifying the polypeptides by affinity
CC chromatography. HPMBQ91 polypeptides can be administered directly or as a
CC vaccine to inoculate against disease. Diseases diagnosed, prevented and
CC treated include: neuronal disorders; CNS related disorders;
CC gastrointestinal and cardiovascular disorders; metabolic disorders;
CC including diabetes and obesity; smooth muscle disorders; inflammatory
CC disorders; and cancers including adenomas, leiomyomas, liposarcomas,
CC melanomas, pulmonary chondroid hamartomas, lung, prostate and breast
CC cancer. The HPMBQ91 polypeptide is also useful for mapping the gene to a
CC chromosome, allowing gene inheritance to be studied through linkage
CC analysis, and tissue localisation studies, for determining HPMBQ91
CC expression patterns
XX
SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPEEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPEEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKEXSTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPPRA 120
Db 61 LKALSQASTDPKEXSTSPKRDMDFFVGLMGKRSVQPSPTDVNQENVPSFGILKYPPRA 120

QY 121 E 121
Db 121 E 121

RESULT 4
AAB82380
ID AAB82380 standard; protein; 121 AA.
XX
AC AAB82380;
XX
DT 23-JUL-2001 (first entry)
XX
DE Human neurokinin B precursor.
XX
KW Neurokinin B; human; pregnancy; hypertension; pre-eclampsia; diagnosis;
KW therapy.
XX

OS Homo sapiens.
XX Key Location/Qualifiers
FH Peptide 81..91
FT /label= Neurokinin
XX W0200136979-A2.
XX PD 25-MAY-2001.
XX PF 10-NOV-2000; 2000WO-GB004315.
XX PR 16-NOV-1999; 99GB-00027125.
XX PA (UYRE-) UNIV READING.
XX PI Page N, Lowry P;
XX DR WPI; 2001-355676/37.
XX DR N-PSDB; AAF90333, AAF90334.
XX PT Detecting production of the human precursor of neurokinin B by the
PT placenta in pregnancy induced hypertension or pre-eclampsia or related
PT fetal complication.
XX PS Example 1; Fig 1; 63pp; English.
XX CC The present sequence is that of human neurokinin B (NKB) precursor. The
CC cloning of placental cDNA (see AAF90333) was used to identify the NKB
CC precursor. The precursor is processed to the 10-amino acid NKB peptide.
CC Detection of raised plasma levels of NKB, NKB precursor, its breakdown
CC product or variants at an early stage of pregnancy provide an indication
CC of the likely development of pregnancy induced hypertension or pre-
CC eclampsia. Reduction in the levels of circulating NKB (or reduction of
CC its effects) will ameliorate the adverse effects upon the mother seen in
CC these conditions. Thus, the invention provides methods for predicting or
CC diagnosing pregnancy induced hypertension, pre-eclampsia or related
CC foetal complication based on measuring NKB levels in the blood, and
CC methods for preventing or treating these conditions, e.g. by
CC administering an agent that inhibits the biological effect of NKB, such
CC as an NK1, NK2 or NK3 antagonist
XX SQ Sequence 121 AA;
Query Match 100.0%; Score 121; DB 4; length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGGRSKRDPDLYLQLRQLFKSHSLEGL 60
DB 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGGRSKRDPDLYLQLRQLFKSHSLEGL 60
OY 61 LKALSGASTDPKESTSPKRDMDHDFEYGLMGKRSVQPDSPTDVNQENVPSTFGILKYPBRA 120
DB 61 LKALSGASTDPKESTSPKRDMDHDFEYGLMGKRSVQPDSPTDVNQENVPSTFGILKYPBRA 120
OY 121 E 121
DB 121 E 121
RESULT 5
AAE26975
ID AAE26975 standard; protein; 121 AA.
XX AC AAE26975;
XX DT 13-DEC-2002 (first entry)
XX DE Human gene 17 encoded secreted protein HPMBQ91, SEQ ID NO:68.
XX KW Human; immunodeficiency; X-linked agammaglobulinaemia; septic shock;
KW autoimmune disorder; rheumatoid arthritis; multiple sclerosis; cancer;

KW Grave's disease; diabetes mellitus; haematopoietic disorder; stroke;
KW respiratory disorder; asthma; allergy; gastrointestinal disorder;
KW inflammatory bowel disease; neurodegenerative disorder; hepatitis;
KW Parkinson's disease; Alzheimer's disease; cardiovascular disorder;
KW atherosclerosis; myocarditis; renal disorder; fungicide; virucide;
KW hyperproliferative disorder; acute glomerulonephritis; tonsillitis;
KW respiratory disorder; rhinitis; sinusitis; neurological disease;
KW endocrine disorder; Addison's disease; reproductive system disorder;
KW endometriosis; vasotropic; vulnery; cytostatic; nootropic; cardiant;
KW anti-HIV; tranquilliser; gout; antiparasitic; chromosome 12.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
FT Peptide 1..16
FT /label= Signal_peptide
FT Protein 17..121
FT /note= "Human mature secreted protein"
XX PN US2002077287-A1.
XX PD 20-JUN-2002.
XX PF 11-MAY-2001; 2001US-00852659.
XX PR 11-SEP-1998; 98US-00152060.
XX PA (RUBE/) RUBEN S M.
PA (ROSE/) ROSEN C A.
PA (LIYY/) LI Y.
PA (ZENG/) ZENG Z.
PA (KYAW/) KYAW H.
PA (FISC/) FISCHER C L.
PA (LIHR/) LI H.
PA (SOPP/) SOPPET D R.
PA (GENT/) GENTZ R L.
PA (WEIY/) WEI Y.
PA (MOOR/) MOORE P A.
PA (YOUN/) YOUNG P E.
PA (GREE/) GREENE J M.
PA (FERR/) FERRIE A M.
XX PI Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H;
PI Soppet DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM;
PI Ferrie AM;
XX DR WPI; 2002-598780/64.
XX DR N-PSDB; AAD44652.
XX Claim 11; Page 181-182; 209pp; English.
XX AAD44636-AAD44676 represent cDNAs corresponding to 28 human secreted
XX protein genes, and AAE26959-AAE26999 represent the proteins they encode.
XX AAE27000-AAE27025 represent human secreted protein fragments or their
XX variants. The secreted proteins and genes are useful for preventing,
XX treating or ameliorating medical conditions, e.g., by protein or gene
XX therapy. Specific uses are described for each of the 28 genes, based on
XX the tissues in which they are most highly expressed and include
XX developing products for the diagnosis or treatment of immunodeficiencies,
XX e.g., X-linked agammaglobulinaemia, B cell immunodeficiencies, severe
XX combined immunodeficiencies, autoimmune disorders e.g., systemic lupus
XX erythematosus, rheumatoid arthritis, multiple sclerosis, autoimmune
XX thyroiditis, autoimmune haemolytic anaemia, Goodpasture's syndrome,
XX Grave's disease, diabetes mellitus, dermatitis, inflammatory conditions
XX including septic shock, sepsis, reperfusion injury, inflammatory bowel
XX disease, Crohn's disease, haematopoietic disorders, respiratory disorders
XX e.g., asthma and allergy, gastrointestinal disorders e.g., inflammatory
XX bowel disease), cancers e.g., gastric, ovarian, lung, liver, bladder and

CC breast), central nervous system (CNS) disorders e.g., ischaemic brain
CC injury and/or stroke, neurodegenerative disorders e.g., Parkinson's
CC disease and Alzheimer's disease, AIDS-related dementia and prion disease,
CC cardiovascular disorders e.g., myocarditis, arrhythmias, atherosclerosis,
CC inflammatory disorders e.g., hepatitis, gout, trauma, pancreatitis,
CC sarcoidosis and allogenic transplant rejection, blood-related disorder
CC (thrombosis, arterial thrombosis, atherosclerosis), hyperproliferative
CC disorders, respiratory disorders e.g. rhinitis, sinusitis, tonsillitis,
CC lung cancer, allergic disorders, pneumonitis, renal disorders, endocrine
CC glomerulonephritis, neurological diseases, liver disorders, endocrine
CC disorders e.g., hyperthyroidism, Addison's disease, hyperpituitarism,
CC infectious diseases and reproductive system disorders e.g. endometriosis.
CC The present sequence represents a human secreted protein of the invention
XX
SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 5; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
OY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
OY 121 E 121
Db 121 E 121

RESULT 6
AAE27113
ID AAE27113 standard; protein; 121 AA.

AC AAE27113;
DT 13-DEC-2002 (first entry)

DE Human gene 17 encoded secreted protein HPMEQ91, SEQ ID NO:68.

XX
KW Human; secreted protein; autoimmune disease; hyperproliferative disorder;
KW rheumatoid arthritis; neoplasm; cerebrovascular disorder; angiogenesis;
KW cerebral ischaemia; cardiovascular disorder; nervous system disorder;
KW cardiac arrest; Alzheimer's disease; ocular disorder; wound healing;
KW infection; corneal infection; skin aging; food additive; preservative;
KW tissue regeneration; immunosuppressive; antiproliferative; cytostatic;
KW cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective;
KW antibacterial; virucide; fungicide; ophthalmological; gene therapy;
KW vulnerrary; chromosome 12.

OS Homo sapiens.

FT Key Location/Qualifiers
FT Peptide 1..16
FT /label= Signal_peptide
FT Protein 17..121
FT /note= "Mature human secreted protein"

PN US2002076756-A1.

PD 20-JUN-2002.

PF 11-MAY-2001; 2001US-00853161.

PR 02-FEB-2001; 2001US-0265583P.

XX (RUBE/) RUBEN S M.
PA (ROSE/) ROSEN C A.
PA (LIY/) LI Y.
PA (ZENG/) ZENG Z.

PA (KYAW/) KYAW H.
PA (FISC/) FISCHER C L.
PA (LIHH/) LI H.
PA (SOPP/) SOPPET D R.
PA (GENT/) GENTZ R L.
PA (WEIY/) WEI Y.
PA (MOOR/) MOORE P A.
PA (YOUN/) YOUNG P E.
PA (GREE/) GREENE J M.
PA (FERR/) FERRIE A M.

PI Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H;
PI Soppet DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM;
PI Ferrie AM;

DR WPI; 2002-574454/61.
DR N-PSDB; AAD44870.

PT New nucleic acid molecules encoding 28 human secreted proteins, useful
PT for diagnosing, preventing, treating or ameliorating medical conditions
PT and as food additives or preservatives.

PS Claim 11; Page 181-182; 209pp; English.

XX AAD44854-AAD44984 represent cDNAs corresponding to 28 human secreted
CC protein genes, and AAE27097-AAE27137 represent the proteins they encode.
CC AAE27138-AAE27164 represent human secreted protein fragments. The genes
CC and their corresponding secreted proteins are useful for preventing,
CC treating or ameliorating medical conditions, e.g., by protein or gene
CC therapy. Secreted protein sequences of the invention are useful for the
CC diagnosis or treatment of disorders such as autoimmune diseases (e.g.
CC rheumatoid arthritis), hyperproliferative disorders (e.g. neoplasms of
CC the breast or liver), cerebrovascular disorders (e.g. cerebral ischaemia,
CC angiogenesis), cardiovascular disorders (e.g. cardiac arrest), nervous
CC system disorders (e.g. Alzheimer's disease), infections caused by fungi,
CC bacteria and viruses and ocular disorders (e.g. corneal infection). The
CC polypeptides can also be used to aid wound healing and epithelial cell
CC proliferation, to prevent skin aging due to sunburn, to maintain organs
CC before transplantation, for supporting cell culture of primary tissues,
CC to regenerate tissues and in chemotaxis. They can also be used as food
CC additives or preservative to increase or decrease storage capabilities,
CC fat content, lipid, protein, carbohydrate, vitamins, minerals, cofactors
CC and other nutritional components. The present sequence represents a human
CC secreted protein of the invention
XX

SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 5; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
OY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPSPTDVNQENVPSFGILKYPRA 120
OY 121 E 121
Db 121 E 121

RESULT 7
ABU64986
ID ABU64986 standard; protein; 121 AA.

AC ABU64986;

XX 15-MAY-2003 (first entry)

DE Human secreted protein gene 17, protein #1.

XX Secreted protein; immunodeficiency; multiple sclerosis;
KW severe combined immunodeficiency; autoimmune disorder; cancer;
KW rheumatoid arthritis; diabetes mellitus; haematopoietic disorder;
KW inflammatory condition; septic shock; inflammatory bowel disease;
KW Crohn's disease; respiratory disorder; asthma; allergy; stroke;
KW gastrointestinal disorder; central nervous system disorder;
KW ischaemic brain injury; neurodegenerative disorder; Parkinson's disease;
KW Alzheimer's disease; cardiovascular disorder; atherosclerosis;
KW blood-related disorder; thrombosis; atherosclerosis; renal disorder;
KW hyperproliferative disorder; acute glomerulonephritis; Addison's disease;
KW endocrine disorder; liver disease; reproductive system disorder;
KW endometriosis; infectious disease; pancreatic disorder; vaccine;
KW wound repair; angiogenesis; lymphatic disorder; hair loss; body weight;
KW body height; hair colour; human.
XX Homo sapiens.
OS
XX
PN US2002172994-A1.
XX
PD 21-NOV-2002.
XX
PF 11-MAY-2001; 2001US-00852797.
XX
PR 14-MAR-1997; 97US-0040710P.
PR 14-MAR-1997; 97US-0040762P.
PR 30-MAY-1997; 97US-0048100P.
PR 30-MAY-1997; 97US-0048189P.
PR 30-MAY-1997; 97US-0048357P.
PR 30-MAY-1997; 97US-0050934P.
PR 06-JUN-1997; 97US-0048970P.
PR 05-SEP-1997; 97US-0057765P.
PR 19-DEC-1997; 97US-0068368P.
PR 12-MAR-1998; 98US-0004858.
PR 11-SEP-1998; 98US-00152060.
PR 02-FEB-2001; 2001US-0265583P.
XX
XX (RUBE/) RUBEN S M.
PA (ROSE/) ROSEN C A.
PA (LIYY/) LI Y.
PA (ZENG/) ZENG Z.
PA (KYAW/) KYAW H.
PA (FISC/) FISCHER C L.
PA (LIHH/) LI H.
PA (SOPP/) SOPPET D R.
PA (GENT/) GENTZ R L.
PA (WEIY/) WEI Y.
PA (MOOR/) MOORE P A.
PA (YOUN/) YOUNG P E.
PA (GREE/) GREENE J M.
PA (FERR/) FERRIE A M.
XX
PI Ruben SM, Rosen CA, Li Y, Zeng Z, Kyaw H, Fischer CL, Li H;
PI Soppet DR, Gentz RL, Wei Y, Moore PA, Young PE, Greene JM;
PI Ferrie AM;
XX
DR WPI: 2003-310989/30.
DR N-PSDB; ABX96982.
XX
XX
PT New human secreted polypeptides and polynucleotides for diagnosing,
PT prognosing, preventing and treating immune, hyperproliferative, liver,
PT kidney, reproductive disorders and for identifying modulators of
PT therapeutic use.
XX
PS Claim 11; Page 181; 209pp; English.
XX
CC The invention relates to an isolated polypeptide comprising an amino acid
CC sequence at least 95% identical to sequence of 28 human secreted
CC proteins, their fragment, polypeptide domain, epitope, secreted form,
CC variant, allelic variant, or species homologue, or the encoded sequence
CC included in ATCC 97921 and 97922. Also included are the encoding nucleic
CC acids, recombinant vectors, host cells, antibodies, and genes. The
CC proteins and nucleic acids are useful for diagnosing, preventing,

CC treating, prognosing or ameliorating a medical condition e.g.
CC immunodeficiencies (e.g. X-linked agammaglobulinaemia, B cell
CC immunodeficiencies, severe combined immunodeficiencies), autoimmune
CC disorders (e.g. systemic erythematosis, rheumatoid arthritis, multiple
CC sclerosis, autoimmune thyroiditis, autoimmune haemolytic anaemia,
CC Goodpasture's syndrome, Grave's disease, diabetes mellitus, dermatitis),
CC haematopoietic disorders, inflammatory conditions (e.g. septic shock,
CC sepsis, reperfusion injury, inflammatory bowel disease, Crohn's disease),
CC respiratory disorders (e.g. asthma and allergy), gastrointestinal
CC disorders, cancers (e.g. gastric, ovarian, lung, bladder, liver and
CC breast), central nervous system (CNS) disorders (e.g. ischaemic brain
CC injury and/or stroke, traumatic brain injury), neurodegenerative
CC disorders (e.g. Parkinson's disease and Alzheimer's disease, AIDS-related
CC dementia, and prion disease), cardiovascular disease, and cardiopulmonary
CC atherosclerosis, myocarditis, inflammation (e.g. hepatitis, gout, trauma,
CC bypass complications), inflammation (e.g. hepatitis, gout, trauma,
CC pancreatitis, sarcoidosis, dermatitis, allergic transplant rejection),
CC blood-related disorders (thrombosis, arterial thrombosis),
CC hyperproliferative disorders, renal disorders (e.g. acute
CC glomerulonephritis), endocrine disorders (e.g. Addison's disease,
CC hyperthyroidism, hyperpituitarism), liver diseases and disorders,
CC reproductive system disorders (e.g. endometriosis), infectious diseases,
CC and pancreatic disorders. Many other diseases and disorders are listed in
CC the specification. They also useful as a vaccine adjuvant. Further they
CC are useful to enhance or inhibit complement mediated cell lysis, for
CC stimulating wound and tissue repair, angiogenesis, and the repair of
CC vascular or lymphatic diseases or disorders. They are also useful to
CC prevent hair loss, to modulate mammalian characteristics such as body
CC height, weight, hair colour, and to increase or decrease storage
CC capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC minerals, cofactors or other nutritional components. The proteins are
CC also useful for identifying binding partners. The present sequence
CC represents a secreted protein of the invention
XX
SQ Sequence 121 AA;

Query Match 100.0%; Score 121; DB 6; Length 121;
Best Local Similarity 100.0%; Pred. No. 1.1e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLSLAQSGAVCKEPEQEVVPGGGRSKRDPDLYQLQLFKSHSLLEGL 60
Db 1 MRIMLFTAILAFLSLAQSGAVCKEPEQEVVPGGGRSKRDPDLYQLQLFKSHSLLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQPSPTDVNGENVPSFGILKYPBRA 120
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQPSPTDVNGENVPSFGILKYPBRA 120

QY 121 E 121
Db 121 E 121

RESULT 8
ABBI1878
ID ABB11878 standard; peptide; 137 AA.
XX
AC ABB11878;
XX
DT 11-JAN-2002 (first entry)
XX
DE Human neurokinin B-like protein homologue, SEQ ID NO:2248.
XX
KW Human; cytokine; cell proliferation; cell differentiation; growth factor;
KW haematopoiesis regulation; tissue growth; immunomodulator; activin;
KW inhibitor; chemotaxis; chemokinesis; thrombolysis; oncogenesis;
KW proliferation; metastasis; cancer; tumour; haematopoietic disorder;
KW myeloid cell disorder; lymphoid cell disorder; asthma; arthritis;
KW chronic inflammatory condition; proliferative retinopathy;
KW atherosclerosis; coronary heart disease; arterial ischaemia;
KW bone disorder; osteoporosis; vascular growth disorder;
KW tissue regeneration; wound healing; infection; immune disorder;
KW cell culture; drug screening; gene therapy; antiinflammatory;

KM antiasthmatic; antiarthritic; haemostatic; antiarteriosclerotic;
KW cytosstatic; osteopathic; vasotropic; cardiant; virucide; antibacterial;
XX antifungal; vulnery; antulcer.
OS Homo sapiens.
XX WO200157188-A2.
XX PD 09-AUG-2001.
XX PF 05-FEB-2001; 2001WO-US003800.
XX PR 03-FEB-2000; 2000US-00496914.
XX PR 27-APR-2000; 2000US-00560875.
XX PA (HYSE-) HYSEQ INC.
XX PI Tang YT, Liu C, Drmanac RT;
XX DR WPI; 2001-457740/49.
XX DR N-PSDB; ABA09122.
PT Human proteins and DNA encoding sequences useful for preventing, treating
PT or ameliorating a medical condition in a mammalian subject e.g. arthritis
PT and cancer.
XX
XX PS Claim 20; Page 270; 1963pp; English.
XX
CC Sequences ABA0981-ABB12330 represent 1350 novel human polypeptides, and
CC sequences ABA08225-ABA09574 represent nucleic acids encoding them. The
CC invention also relates to vectors and recombinant host cells comprising a
CC nucleotide of the invention, methods of producing the novel polypeptides,
CC antibodies against the polypeptides, methods of detecting the nucleotides
CC or polypeptides in a sample, and methods of identifying compounds which
CC bind to polypeptides of the invention. Although novel, many of the
CC polypeptides of the invention have homology to known proteins, thereby
CC giving an insight into their probable biological activities, and hence
CC potential therapeutic applications. The polypeptides of the invention may
CC have various activities, including cytokine, cell proliferation or cell
CC differentiation activities; stem cell growth factor activity;
CC haematopoiesis regulatory activity; tissue growth activity;
CC immunomodulatory activity; activin- or inhibin-related activities;
CC chemotactic or chemokinetic activities; haemostatic, thrombotic or
CC thrombolytic activities; receptor or ligand activities; or may be
CC involved in oncogenesis, cancer cell proliferation or metastasis.
CC Depending on their biological activities, polypeptides and nucleotides of
CC the invention are useful for preventing, treating or ameliorating medical
CC conditions, e.g., by protein or gene therapy. Such conditions include
CC cancers, haematopoietic disorders (e.g., myeloid or lymphoid cell
CC disorders), chronic inflammatory conditions (e.g., asthma or arthritis),
CC proliferative retinopathy, atherosclerosis, coronary heart disease,
CC arterial ischaemia, bone disorders (e.g., osteoporosis), and abnormal
CC vascular growth. Polypeptides involved with tissue regeneration and
CC repair (or nucleic acids encoding them) may be used to promote wound
CC healing (e.g., of burns, incisions and ulcers), while those with
CC immunomodulatory activities may be used in the treatment of viral,
CC bacterial and fungal infections in addition to immune disorders.
CC Polypeptides with growth factor activity may be used in cell cultures to
CC promote cell growth. For example, such polypeptides may be used to
CC manipulate stem cells in culture to give rise to neuroepithelial cells
CC that can be used to augment or replace cells damaged by illness,
CC autoimmune disease or accidental damage. The polypeptides and nucleotides
CC may also be used in the diagnosis of the above conditions, and in drug
CC screening techniques. The present sequence represents a novel human
CC polypeptide of the invention
XX
SQ Sequence 137 AA;

Query Match 100.0%; Score 121; DB 4; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.3e-111;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MRIMLFTAILAFSLAQSGAVCKEPQEEVWPVGGRSKRDPDLYQLLQRLFKSHSLLEGL 60

DB 17 MRIMLFTAILAFSLAQSGAVCKEPQEEVWPVGGRSKRDPDLYQLLQRLFKSHSLLEGL 76
QY 61 LKALSQASTDPKESTSPKXDMHDFVGLMGKRSVQPDSPDVNQENVPFGLIKYPPRA 120
DB 77 LKALSQASTDPKESTSPKXDMHDFVGLMGKRSVQPDSPDVNQENVPFGLIKYPPRA 136
QY 121 E 121
DB 137 E 137

RESULT 9
ID AAM96144 standard; protein; 122 AA.
XX AC AAW96144;
XX DT 27-APR-1999 (first entry)
XX DE Human preprotachykinin B.
XX KW Preprotachykinin B; PPT-B; neoplastic disorder; neurological disorder;
KW Alzheimer's disease; amnesia; cerebral neoplasms; dementia; depression;
KW Down's syndrome; Huntington's disease; multiple sclerosis;
KW Parkinson's disease; paranoid psychoses; schizophrenia;
KW Tourette's disorder; angina; anaphylactic shock; asthma;
KW cardiovascular shock; myocardial infarction; migraine.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
FT Misc-difference 104
FT /label= Leu, Ser or Trp
XX PN WO9857986-A2.
XX PD 23-DEC-1998.
XX PF 19-JUN-1998; 98WO-US012855.
XX PR 19-JUN-1997; 97US-00879995.
XX PA (INCY-) INCYTE PHARM INC.
XX PI Hillman JJ, Lal P, Kaser MR;
XX DR WPI; 1999-080948/07.
XX DR N-PSDB; AAX08906.
PT New human preprotachykinin B - useful for treating neurological disorders
PT and cancer.
XX PS Claim 1; Page 48-49; 57pp; English.
XX
CC Human preprotachykinin B (PPT-B) can be used to treat a neurological
CC disorder. Antagonists of PPT-B can also be used in the treatment of
CC neoplastic disorders. Particular neurological, disorders include
CC akathesia, Alzheimer's disease, amnesia, amyotrophic lateral sclerosis,
CC bipolar disorder, catatonia, cerebral neoplasms, dementia, depression,
CC Down's syndrome, tardive dyskinesia, dystonias, Huntington's disease,
CC multiple sclerosis, neurofibromatosis, Parkinson's disease, paranoid
CC psychoses, schizophrenia, and Tourette's disorder. PPT-B or its agonist
CC can also be used to treat angina, anaphylactic shock, arrhythmias,
CC asthma, cardiovascular shock, Cushing's syndrome, hypertension,
CC hypoglycemia, myocardial infarction, migraine and pheochromocytoma
XX
SQ Sequence 122 AA;

Query Match 83.5%; Score 101; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 7.4e-92;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQPSPT 101
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQPSPT 101
RESULT 10
AAV66739
ID AAV66739 standard; protein; 135 AA.
XX
AC AAV66739;
XX
DT 05-APR-2000 (first entry)
XX
DE Membrane-bound protein PRO1155.
XX
KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS Homo sapiens.
XX
PN WO9963088-A2.
XX
PD 09-DEC-1999.
XX
PF 02-JUN-1999; 99WO-US012252.
XX
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088730P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088741P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.

PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091878P.
PR 07-JUL-1998; 98US-0091882P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.

PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 99US-0115565P.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX
DR WPI; 2000-072883/06.
DR N-PSDB; AAZ65085.
XX
PT Membrane-bound proteins and related nucleotide sequences.
XX
PS Claim 12; Fig 254; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 3; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFLAQSFGAVCKEPOEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFLAQSFGAVCKEPOEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGKRSVQP 97
RESULT 11
AAB33445
ID AAB33445 standard; protein; 135 AA.
XX
AC AAB33445;
XX
DT 29-JAN-2001 (first entry)
XX
DE Human PRO155 protein UNQ585 SEQ ID NO:157.
XX

KW Human; immune related disease; diagnosis; antiinflammatory; cardiac;
KW dermatological; antiarthritic; antirheumatic; immunosuppressive;
KW haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;
KW antianaemic; hepatotropic; virucide; antipsoriatic; antiallergic;
KW antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis;
KW osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis;
KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
KW autoimmune thrombocytopaenia; immune-mediated renal disease;
KW demyelinating disease; hepatobiliary disease; Whipple's disease;
KW inflammatory bowel disease; gluten-sensitive enteropathy;
KW autoimmune disease; immune-mediated skin disease; allergic disease;
KW immunological disease; transplantation associated disease;
KW graft rejection; graft-versus-host-disease.
XX
OS Homo sapiens.
XX
PN WO200053758-A2.
XX
PD 14-SEP-2000.
XX
PF 02-MAR-2000; 2000WO-US005841.
XX
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-0123618P.
PR 12-MAR-1999; 99US-0123957P.
PR 23-MAR-1999; 99US-0125775P.
PR 12-APR-1999; 99US-0128849P.
PR 20-APR-1999; 99WO-US008615.
PR 28-APR-1999; 99US-0131445P.
PR 04-MAY-1999; 99US-0132371P.
PR 14-MAY-1999; 99US-0134287P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030999.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;
PI Kabakoff RC, Lu Y, Pan J, Penica D, Shelton DV, Smith V;
PI Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;
XX
DR WPI; 2000-572271/53.
DR N-PSDB; AAC58610.
XX
PT Sixty four PRO polypeptides, useful in the diagnosis and treatment of

PT immune related disorders, e.g. systemic lupus erythematosus, rheumatoid
PT arthritis, osteoarthritis, thyroiditis and diabetes mellitus.
XX
PS Claim 33; Fig 64; 309pp; English.
XX
CC The present invention describes sixty four human PRO proteins which can
CC be used in the treatment of immune related diseases. The human PRO
CC proteins, anti-PRO antibodies, agonists and antagonists are useful for
CC treating and diagnosing immune related disorders. The disorders are
CC selected from systemic lupus erythematosus, rheumatoid arthritis,
CC osteoarthritis, juvenile chronic arthritis, spondyloarthropathies,
CC systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's
CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
CC anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,
CC immune-mediated renal disease, demyelinating diseases of the central and
CC peripheral nervous systems, hepatobiliary diseases, inflammatory bowel
CC disease, gluten-sensitive enteropathy and Whipple's disease, autoimmune
CC or immune-mediated skin diseases, allergic diseases, immunological
CC diseases of the lung, and transplantation associated diseases including
CC graft rejection and graft-versus-host-disease. AAC58397 to AAC58578
CC represent PCR primers and hybridisation probes used in the isolation of
CC human PRO sequences. AAC58579 to AAC58642 and AAB33414 to AAB33477
CC represent human PRO polynucleotide and protein sequences given in the
CC exemplification of the present invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 3; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPEQEEVVPGGGRSKRDPDLVQLLQRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPEQEEVVPGGGRSKRDPDLVQLLQRLFKSHSSLEGL 60

QY 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
Db 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 12
AAU29245
ID AAU29245 standard; protein; 135 AA.
XX
AC AAU29245;
XX
DT 18-DEC-2001 (first entry)
XX
DE Human PRO polypeptide sequence #222.
XX
KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200168848-A2.
XX
PD 20-SEP-2001.
XX
PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.

PR 21-MAR-2000; 2000US-0191314P.
PR 28-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199550P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
XX
PA (GETH) GENENTECH INC.
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2001-602746/68.
DR N-PSDB; AAS46146.
XX
XX
PT Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumors, such as prostate and breast tumors, in mammals and to
PT screen for modulators of the compounds.
XX
XX
PS Claim 11; Fig 444; 774pp; English.
XX
XX Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 4; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPEQEEVVPGGGRSKRDPDLVQLLQRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPEQEEVVPGGGRSKRDPDLVQLLQRLFKSHSSLEGL 60

QY 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
Db 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

Db 61 LKALSQASTDPEKSTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 13

AAB65262

ID AAB65262 standard; protein; 135 AA.

XX

AC AAB65262;

XX

DT 02-APR-2001 (first entry)

XX

DE Human PRO1155 (UNQ585) protein sequence SEQ ID NO:359.

XX

KW Human; secreted and transmembrane protein; PRO; cytosstatic; cell death;

KW cancer; chromosomal mapping; gene mapping; tissue typing;

KW diagnostic assay.

XX

OS Homo sapiens.

XX

PN WO200073454-A1.

XX

PD 07-DEC-2000.

XX

PF 30-MAR-2000; 2000WO-US008439.

XX

PR 02-JUN-1999; 99WO-US012252.

PR 23-JUN-1999; 99US-0141037P.

PR 07-JUL-1999; 99US-0143048P.

PR 20-JUL-1999; 99US-0144758P.

PR 26-JUL-1999; 99US-0145698P.

PR 28-JUL-1999; 99US-0146222P.

PR 17-AUG-1999; 99US-0149396P.

PR 15-SEP-1999; 99WO-US021547.

PR 08-OCT-1999; 99US-0158663P.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028301.

PR 16-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 05-JAN-2000; 2000WO-US000219.

PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US0003565.

PR 18-FEB-2000; 2000WO-US004341.

PR 22-FEB-2000; 2000WO-US004414.

PR 24-FEB-2000; 2000WO-US004914.

PR 24-FEB-2000; 2000WO-US005004.

PR 02-MAR-2000; 2000WO-US005841.

PR 15-MAR-2000; 2000WO-US006884.

PR 20-MAR-2000; 2000WO-US007377.

XX

PA (GETH) GENENTECH INC.

XX

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;

PI Ferrara N, Fong S, Gerber H, Geritsen ME, Goddard A, Godowski PJ;

PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;

PI Zhang Z;

XX

DR WPI; 2001-032160/04.

DR N-PSDB; AAF44231.

XX

PT PRO polynucleotides used to produce polypeptides used to target bioactive

PT molecules such as toxins, radiolabels or antibodies, to specific cells,

PT to cause targeted cell death.

XX

PS Claim 12; Fig 254; 935pp; English.

XX

CC The present invention describes human secreted and transmembrane PRO

CC proteins. The PRO proteins have cyostatic activity. The PRO proteins can

CC be used for targeted delivery of bioactive molecules, such as toxins,

CC radiolabels or antibodies, that cause cell death. PRO nucleotide

CC sequences, and their fragments, can be used as hybridisation probes, in

CC chromosomal and gene mapping, and in the generation of anti-sense RNA and

CC DNA. They may also be used to produce transgenic animals which are used

CC to develop and screen therapeutically useful reagents. The PRO nucleotide

CC and protein sequence can be used for tissue typing and in treating

CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to

CC AAF44470 represent PCR primers and hybridisation probes used in the

CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to

CC AAB65300 represent human PRO polynucleotide and protein sequences given

CC in the exemplification of the present invention

XX

SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 4; Length 135;

Best Local Similarity 100.0%; Pred. No. 7.4e-88;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLAQSFGAVCKEPEVEVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60

Db 1 MRIMLFTAILAFLAQSFGAVCKEPEVEVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60

QY 61 LKALSQASTDPEKSTSPKRDMDHDFVGLMGKRSVQP 97

Db 61 LKALSQASTDPEKSTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 14

AAU83645

ID AAU83645 standard; protein; 135 AA.

XX

AC AAU83645;

XX

DT 08-MAY-2002 (first entry)

XX

DE Human PRO protein, Seq ID No 108.

XX

KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;

KW breast cancer; prostate tumour; rectal tumour; liver tumour;

KW pericyte cell proliferation; chondrocyte cell proliferation;

KW tumour necrosis factor-alpha.

XX

OS Homo sapiens.

XX

PN WO200208288-A2.

XX

PD 31-JAN-2002.

XX

PF 29-JUN-2001; 2001WO-US021066.

XX

PR 20-JUL-2000; 2000US-0219556P.

PR 25-JUL-2000; 2000US-0220585P.

PR 25-JUL-2000; 2000US-0220605P.

PR 25-JUL-2000; 2000US-0220607P.

PR 25-JUL-2000; 2000US-0220624P.

PR 25-JUL-2000; 2000US-0220638P.

PR 25-JUL-2000; 2000US-0220664P.

PR 25-JUL-2000; 2000US-0220666P.

PR 26-JUL-2000; 2000US-0220893P.

PR 28-JUL-2000; 2000WO-US020710.

PR 01-AUG-2000; 2000US-0222425P.

PR 22-AUG-2000; 2000US-0227133P.

PR 23-AUG-2000; 2000WO-US023522.

PR 24-AUG-2000; 2000WO-US023328.

PR 10-NOV-2000; 2000WO-US030873.

PR 28-NOV-2000; 2000US-0253646P.

PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.

PR 20-DEC-2000; 2000WO-US034956.

PR 28-FEB-2001; 2001WO-US006520.

PR 01-MAR-2001; 2001WO-US006666.

PR 22-MAR-2001; 2001US-00816744.

PR 10-MAY-2001; 2001US-00854208.

PR 10-MAY-2001; 2001US-00854280.

PR 25-MAY-2001; 2001WO-US017092.

XX

PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI: 2002-172001/22.
DR N-PSDB; ABK33589.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumors such
PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT or liver tumor.
XX
PS Claim 11; Fig 108; 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumors, especially lung
CC cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or
CC liver tumor. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. AA083592-AAU83713 represent human PRO
CC protein sequences of the invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 5; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTALAFSLAQSFGAVCKEPOEEVYPGGGRSKRDPDLYQLQLFKSHSSLEGL 60
Db 1 MRIMLLFTALAFSLAQSFGAVCKEPOEEVYPGGGRSKRDPDLYQLQLFKSHSSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97

RESULT 15
ABB84901
ID ABB84901 standard; protein; 135 AA.
XX
AC ABB84901;
XX
DT 16-MAY-2002 (first entry)
XX
DE Human PRO1155 protein sequence SEQ ID NO:170.
XX
XX Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW vulnerary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW age-related macular degeneration; arterial restenosis; angina;
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW wound healing; chromosome mapping; gene mapping.
XX
OS Homo sapiens.
XX
PN WO200200690-A2.
XX
PD 03-JAN-2002.
XX
PF 20-JUN-2001; 2001WO-US019692.

XX
PR 23-JUN-2000; 2000US-0213637P.
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-0242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001US-00802706.
PR 09-MAR-2001; 2001US-00802889.
PR 14-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00828366.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854280.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 30-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Ferrara N, Geber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
XX WPI: 2002-090516/12.
DR N-PSDB; ABL88156.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 170; 565pp; English.
XX
XX ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
CC ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
CC antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
CC activities, and can be used in gene therapy. The PRO polynucleotides,
CC proteins, agonists and antagonists are useful for treating or diagnosing
CC a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
CC cardiac hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The PRO polynucleotides have applications in molecular biology,
CC including use as hybridisation probes, and in chromosome and gene
CC mapping. ABL88259 to ABL88267 represent primers and probes used in the
CC exemplification of the present invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 5; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGRSKRDPDLYQLQLFKSHSSLEGL 60
DB 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGRSKRDPDLYQLQLFKSHSSLEGL 60
QY 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGRSVQP 97
DB 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGRSVQP 97
RESULT 16
ABB95507
ID ABB95507 standard; protein; 135 AA.
XX
AC ABB95507;
XX
DT 19-JUL-2002 (first entry)
XX
DE Human angiogenesis related protein PRO1155 SEQ ID NO: 170.
XX
KW Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
KW cardiant; cytoslatic; antiangiogenic; hypotensive; vulnerary;
KW antiarteriosclerotic.
XX
OS Homo sapiens.
XX
PN WO200208284-A2.
XX
PD 31-JAN-2002.
XX
PF 09-JUL-2001; 2001WO-US021735.
XX
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-0242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 30-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
XX
PA (GETH) GENENTECH INC.
PA (BAKE/) BAKER K P.
PA (FERR/) FERRARA N.
PA (GERB/) GERBER H.
PA (GERR/) GERRITSEN M E.

PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GURN/) GURNEY A L.
PA (HILL/) HILLAN K J.
PA (MARS/) MARSTERS S A.
PA (PANJ/) PAN J.
PA (PAON/) PAONI N F.
PA (STEP/) STEPHAN J F.
PA (WATA/) WATANABE C K.
PA (WILL/) WILLIAMS P M.
PA (WOOD/) WOOD W I.
XX
PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AJ, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
DR WPI; 2002-171999/22.
DR N-PSDB; ABL95645.
XX
PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 170; 567pp; English.
XX
CC The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a PRO protein of the invention
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 5; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGRSKRDPDLYQLQLFKSHSSLEGL 60
DB 1 MRIMLFTAILAFLAQSFGAVCKEPQEEVPPGGRSKRDPDLYQLQLFKSHSSLEGL 60
QY 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGRSVQP 97
DB 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGRSVQP 97
RESULT 17
ABU58621
ID ABU58621 standard; protein; 135 AA.
XX
AC ABU58621;
XX
DT 15-APR-2003 (first entry)
XX
DE Human PRO polypeptide #222.
XX
KW Human; PRO; cytoslatic; tumour; cancer; breast; lung; stomach; liver;
KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
XX
OS Homo sapiens.
XX
PN US2003027272-A1.
XX
PD 06-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176492.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.

PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087098P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.

PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
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PR 24-JUN-1998; 98US-0090444P.
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PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
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PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 26-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
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PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
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PR 26-AUG-1998; 98US-0097971P.
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PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.

PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-00168978.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSEFVAVCKEPQEEVYVGGGRSKRDPDLYQLQLFKSHSLEGL 60
1 MRIMLLFTAILAFSLAQSEFVAVCKEPQEEVYVGGGRSKRDPDLYQLQLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 18
ABU88169
ID ABU88169 standard; protein; 135 AA.

XX AC ABU88169;
XX DT 07-JUL-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1155.

XX Human; secreted and transmembrane protein; PRO; Gene therapy;
KW tumour necrosis factor-alpha release; TNF-alpha release;
KW chondrocyte proliferation; chondrocyte differentiation; tumour;
KW adrenal tumour; lung tumour; colon tumour; breast tumour;
KW prostate tumour; rectal tumour; cervical tumour; liver tumour.

XX Homo sapiens.
XX PN US2003032127-A1.
XX PD 13-FEB-2003.
PF 26-JUN-2002; 2002US-00183012.
XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLLFTAILAFSLAQSFQAVCKEPQEBVPPGGGSRKRDPDLYQLLQRLFKSHSLLEGL 60
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DB 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 19
ABU84484
ID ABU84484 standard; protein; 135 AA.
XX AC ABU84484;
XX DT 02-AUG-2003 (first entry)
XX DE Human secreted/transmembrane protein (PRO) #222.
XX KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX OS Homo sapiens.
XX PN US2003032112-A1.
XX PD 13-FEB-2003.
XX PF 21-JUN-2002; 2002US-00176756.
XX 18-SEP-1997; 97US-0059263P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97
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RESULT 20
ABR66358
ID ABR66358 standard; protein; 135 AA.

AC ABR66358;

DT 05-AUG-2003 (first entry)

DE Human secreted polypeptide PRO1155, SEQ ID NO:444.

XX Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnerrary; gene therapy.

XX Homo sapiens.

XX US2003027278-A1.

XX 06-FEB-2003.

PF 21-JUN-2002; 2002US-00176987.

XX 18-SEP-1997; 97US-0059263P.
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Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKEKSTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 21
ID ABR65748 standard; protein; 135 AA.
XX AC ABR65748;

XX DT 05-AUG-2003 (first entry)
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XX Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy.

OS Homo sapiens.

XX PN US2003036159-A1.

XX PD 20-FEB-2003.

XX PF 02-JUL-2002; 2002US-00188773.

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Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 22
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AC ABU99688;
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DT 09-AUG-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #222.
XX
KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX
OS Homo sapiens.
XX
PN US2003040070-A1.
XX
PD 27-FEB-2003.
XX
PF 27-JUN-2002; 2002US-00184627.
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PR	26-AUG-1998;	98US-0097955P.
PR	26-AUG-1998;	98US-0097971P.
PR	26-AUG-1998;	98US-0097974P.
PR	26-AUG-1998;	98US-0098014P.
PR	01-SEP-1998;	98US-0098716P.
PR	01-SEP-1998;	98US-0098723P.
PR	02-SEP-1998;	98US-0098803P.
PR	02-SEP-1998;	98US-0098821P.
PR	02-SEP-1998;	98US-0098843P.
PR	09-SEP-1998;	98US-0099602P.
PR	10-SEP-1998;	98US-0099741P.
PR	10-SEP-1998;	98US-0099754P.
PR	10-SEP-1998;	98US-0099763P.
PR	15-SEP-1998;	98US-0099812P.
PR	15-SEP-1998;	98US-0100388P.
PR	16-SEP-1998;	98US-0100662P.
PR	16-SEP-1998;	98US-0100664P.
PR	16-SEP-1998;	98US-0101751P.
PR	16-SEP-1998;	98WO-US019330.
PR	17-SEP-1998;	98US-0100683P.
PR	17-SEP-1998;	98US-0100684P.
PR	17-SEP-1998;	98US-0100919P.
PR	17-SEP-1998;	98US-0100930P.
PR	18-SEP-1998;	98US-0100849P.
PR	18-SEP-1998;	98US-0101014P.
PR	18-SEP-1998;	98US-0101068P.
PR	23-SEP-1998;	98US-0101471P.
PR	23-SEP-1998;	98US-0101472P.
PR	23-SEP-1998;	98US-0101475P.
PR	23-SEP-1998;	98US-0101477P.
PR	24-SEP-1998;	98US-0101738P.

PR	24-SEP-1998;	98US-0101739P.
PR	24-SEP-1998;	98US-0101743P.
PR	24-SEP-1998;	98US-0101922P.
PR	25-SEP-1998;	98US-0101786P.
PR	29-SEP-1998;	98US-0102207P.
PR	29-SEP-1998;	98US-0102240P.
PR	29-SEP-1998;	98US-0102330P.
PR	29-SEP-1998;	98US-0102331P.
PR	30-SEP-1998;	98US-0102487P.
PR	30-SEP-1998;	98US-0102570P.
PR	30-SEP-1998;	98US-0102571P.
PR	01-OCT-1998;	98US-0102684P.
PR	01-OCT-1998;	98US-0102687P.
PR	02-OCT-1998;	98US-0102965P.
PR	06-OCT-1998;	98US-0103258P.
PR	06-OCT-1998;	98US-0103449P.
PR	07-OCT-1998;	98US-00168978.

Query Match	80.2%;	Score 97;	DB 6;	Length 135;
Best Local Similarity	100.0%;	Pred. No. 7,4e-88;		
Matches	97;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;

Oy	1	MRIMLTFTAILAFSLAQSEFAGVCKEPOEEVVPGGGRSKRDPDLYQLQLFKSHSSLEGL	60
Db	1	MRIMLTFTAILAFSLAQSEFAGVCKEPOEEVVPGGGRSKRDPDLYQLQLFKSHSSLEGL	60

Oy	61	LKALSASTDPEKSTSPKRDMDFFVGLMGKRSYQP	97
Db	61	LKALSASTDPEKSTSPKRDMDFFVGLMGKRSYQP	97

RESULT 23
ABU58077
ID ABU58077 standard; protein; 135 AA.
XX
AC ABU58077;
XX
DT 14-APR-2003 (first entry)
XX
DE Human PRO polypeptide #109.
XX
KW Human; PRO; cytosstatic; tumour; cancer; breast; lung; stomach; liver;
KM horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
XX
OS Homo sapiens.
XX
PN US2003027163-A1.
XX
PD 06-FEB-2003.
XX
PF 15-NOV-2001; 2001US-00997666.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.

PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
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PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091360P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
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PR 02-JUL-1998; 98US-0091626P.
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PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.

PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096575P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US0005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.

PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 24
ABUS9155
ID ABUS9155 standard; protein; 135 AA.
XX
AC ABUS9155;

DT 28-APR-2003 (first entry)

DE Novel human secreted or transmembrane protein PRO1155.

XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosum; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.

OS Homo sapiens.

PN US2002132252-A1.

PD 19-SEP-2002.

PF 14-NOV-2001; 2001US-00990442.

XX 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
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PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.

PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrera N, Fong S, Gerber H, Geritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-247083/24.
DR N-PSDB; ABX80354.
XX
PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments.
XX
PS Claim 12; Fig 254; 648pp; English.
XX
CC The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTALIAFSLAQSFQAVCKEPEVEVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60
DB 1 MRIMLLFTALIAFSLAQSFQAVCKEPEVEVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 25
ID ABU82667 standard; protein; 135 AA.
XX
AC ABU82667;

XX
DT 26-JUN-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1155.
XX
KW Human; PRO; secreted protein; transmembrane protein;
KW cardiac insufficiency disorders; angiogenesis; wound healing;
KW cancerous tumour; immune response; retinal disorder; sight loss;
KW retinitis pigmentosum; age-related macular degeneration; AMD;
KW kidney disorder; Berger disease; nephropathy; dermatitis; herpeticiformis;
KW Crohn's disease; sports injury; arthritis.
XX
OS Homo sapiens.
XX
PN US2003032023-A1.
XX
PD 13-FEB-2003.
XX
PF 14-NOV-2001; 2001US-00990711.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078392P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
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DT 27-JUN-2003 (first entry)
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RESULT 27
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DT 11-AUG-2003 (first entry)
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KW Human; gene therapy; tissue typing; tumour; chondrocyte proliferation;

KW chondrocyte differentiation; tumour necrosis factor-alpha release;
KW affinity purification.
XX Homo sapiens.
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RESULT 28
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ID ABR68297 standard; protein; 135 AA

AC ABR68297;

DT	11-AUG-2003 (first entry)
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DE Human secreted polypeptide PRO1155, SEQ ID NO:444.

Human; PRO; secreted protein; transmembrane protein;
 extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
 chondrocyte; proliferation; differentiation; cartilage disorder;
 bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;

KM adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KM liver; drug screening; transgenic animal; genetic analysis;
KM antiarthritic; vulnerary; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003027264-A1.
XX
PD 06-FEB-2003.
XX
PF 18-JUN-2002; 2002US-00174579.
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PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
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PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
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PR 15-MAR-2000; 2000WO-US006884.
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PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.

(GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF,
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,
PI Zhang Z;

XX MPI: 2003-288106/28.
DR N-PSDB; ABX90332.

PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.

PS Claim 12; Fig 254; 650pp; English.

XX The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful in gene therapy, in chromosome
CC identification, as chromosome markers, or in generating probes. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis,
CC and the isolated nucleic acids may be used for recombinantly expressing in
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO, and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The sequences presented in ABU60478-ABU60624 are the PRO
CC polynucleotides of the invention. Note: The sequence data for this patent
CC is also available in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html

XX Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 30
ABU96350
ID ABU96350 standard; protein; 135 AA.

AC ABU96350;

DT 25-JUL-2003 (first entry)

XX Novel human secreted and transmembrane protein PRO1155.

KW Human; secreted and transmembrane protein; PRO; transgenic animal;

KW knockout; chromosome identification; tissue typing; tumour;

KW chondrocyte proliferation; chondrocyte differentiation;

OS Homo sapiens.

PN US2003036144-A1.

PD 20-FEB-2003.

PF 01-JUL-2002; 2002US-00187601.

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PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
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PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-8;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLLFTAILAFSLAQSFQAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFQAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSSLEGL 60
OY 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRSVOP 97

RESULT 31

ABU92781
ID ABU92781 standard; protein; 135 AA.
XX
AC ABU92781;
XX
DT 18-JUL-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #222.
XX
KW Human; secreted protein; transmembrane protein; PRO; tumour;
KW proliferation; differentiation; chondrocyte cell; TNF-alpha;
KW tumour necrosis factor-alpha; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003036149-A1.
XX
PD 20-FEB-2003.
XX
PF 02-JUL-2002; 2002US-00187746.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
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PR 18-JUN-1998; 98US-0089908P.
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PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
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PR 01-JUL-1998; 98US-0091359P.
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PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
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PR 17-AUG-1998; 98US-0096757P.
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PR 17-AUG-1998; 98US-0096891P.
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PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-00168978.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97

RESULT 32
ABU80792
ID ABU80792 standard; protein; 135 AA.
XX

AC ABU80792;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #54.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003036635-A1.
XX
PD 20-FEB-2003.
XX
PF 28-AUG-2002; 2002US-00230163.
XX
PR 25-JUL-2000; 2000US-0220638P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT;
XX WPI; 2003-342045/32.
DR N-PSDB; ACA66894.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 108; 314pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC useful in diagnostic assays for PRO, by detecting its expression in
CC specific cells, tissues or serum, and for affinity purification of PRO
CC from recombinant cell culture or natural sources. ABU80739-ABU80860
CC represent the human PRO polypeptides of the invention. Note: The sequence
CC data for this patent was obtained in electronic format directly from the
CC USPTO web site at seqdata.uspto.gov/pslpsIDEntry.html
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97

RESULT 33
ABO08858
ID ABO08858 standard; protein; 135 AA.
XX
AC ABO08858;
XX
DT 17-AUG-2003 (first entry)
DT
DS Human secreted/transmembrane protein (PRO) #222.
XX

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KW	KW	tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;	PR	03-JUN-1998;	98US-0087827P.
KW	KW	tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;	PR	04-JUN-1998;	98US-0088025P.
KW	KW	prostate tumour; rectal tumour; cervical tumour; liver tumour.	PR	04-JUN-1998;	98US-0088028P.
XX	XX		PR	04-JUN-1998;	98US-0088029P.
XX	OS	Homo sapiens.	PR	04-JUN-1998;	98US-0088033P.
XX	PN	US2003044923-A1.	PR	04-JUN-1998;	98US-0088326P.
PD	XX		PR	05-JUN-1998;	98US-0088167P.
XX	XX		PR	05-JUN-1998;	98US-0088202P.
PF	XX	24-JUN-2002; 2002US-00179522.	PR	05-JUN-1998;	98US-0088212P.
XX	XX		PR	05-JUN-1998;	98US-0088255P.
PR	PR	18-SEP-1997;	PR	09-JUN-1998;	98US-0088655P.
PR	PR	18-SEP-1997;	PR	10-JUN-1998;	98US-0088738P.
PR	PR	17-OCT-1997;	PR	10-JUN-1998;	98US-0088740P.
PR	PR	21-OCT-1997;	PR	10-JUN-1998;	98US-0088811P.
PR	PR	24-OCT-1997;	PR	10-JUN-1998;	98US-0088824P.
PR	PR	24-OCT-1997;	PR	10-JUN-1998;	98US-0088825P.
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PR	PR	28-OCT-1997;	PR	11-JUN-1998;	98US-0088861P.
PR	PR	28-OCT-1997;	PR	11-JUN-1998;	98US-0088863P.
PR	PR	28-OCT-1997;	PR	11-JUN-1998;	98US-0088876P.
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PR	PR	29-OCT-1997;	PR	12-JUN-1998;	98US-0089090P.
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PR	PR	24-NOV-1997;	PR	18-JUN-1998;	98US-0089908P.
PR	PR	11-DEC-1997;	PR	19-JUN-1998;	98US-0089952P.
PR	PR	12-DEC-1997;	PR	22-JUN-1998;	98US-0090246P.
PR	PR	17-DEC-1997;	PR	22-JUN-1998;	98US-0090252P.
PR	PR	18-DEC-1997;	PR	22-JUN-1998;	98US-0090254P.
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PR	PR	11-MAR-1998;	PR	24-JUN-1998;	98US-0090435P.
PR	PR	11-MAR-1998;	PR	24-JUN-1998;	98US-0090444P.
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PR	PR	20-MAR-1998;	PR	24-JUN-1998;	98US-0090535P.
PR	PR	27-MAR-1998;	PR	24-JUN-1998;	98US-0090540P.
PR	PR	27-MAR-1998;	PR	25-JUN-1998;	98US-0090676P.
PR	PR	31-MAR-1998;	PR	25-JUN-1998;	98US-0090678P.
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PR	PR	01-APR-1998;	PR	25-JUN-1998;	98US-0090690P.
PR	PR	01-APR-1998;	PR	25-JUN-1998;	98US-0090694P.
PR	PR	08-APR-1998;	PR	25-JUN-1998;	98US-0090695P.
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PR	PR	15-APR-1998;	PR	26-JUN-1998;	98US-0090862P.
PR	PR	21-APR-1998;	PR	26-JUN-1998;	98US-0090863P.
PR	PR	21-APR-1998;	PR	26-JUN-1998;	98US-0091010P.
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PR	PR	06-MAY-1998;	PR	04-AUG-1998;	98US-0095282P.
PR	PR	07-MAY-1998;	PR	10-AUG-1998;	

PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
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PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
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PR 25-SEP-1998; 98US-0101786P.
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PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLLFTAILAFLAQSFGAVCKEPQEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFLAQSFGAVCKEPQEEVYPGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
OY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97

RESULT 34
ABO02910
ID ABO02910 standard; protein; 135 AA.
XX
AC ABO02910;
XX
DT 09-AUG-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #222.
XX
KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;

KW prostate tumour; rectal tumour; cervical tumour; liver tumour.
XX
OS Homo sapiens.
XX
PN US2003040062-A1.
XX
PD 27-FEB-2003.
XX
PF 25-JUN-2002; 2002US-00180545.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 35
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AC ABR75064;
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DI 10-SEP-2003 (first entry)
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KW extracellular domain; tumour necrosis factor-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;

KW antiarthritic; vulnerary; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003040056-A1.
XX
PD 27-FEB-2003.
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PF 21-JUN-2002; 2002US-00176916.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSQASTDPKESTSPFKRDMHDFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPFKRDMHDFVGLMGKRSVOP 97

RESULT 37
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ID ABO33758 standard; protein; 135 AA.
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AC ABO33758;
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DT 17-SEP-2003 (first entry)
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XX
KW Human; secreted and transmembrane protein; PRO; cyostatic;
KW antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; bone disorder; cartilage disorder; sports injury;
KW arthritis; wound.
XX
OS Homo sapiens.
XX
PN US2003045687-A1.
XX

PD 06-MAR-2003.
XX
PF 12-AUG-2002; 2002US-00218631.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-512315/48.
DR N-PSDB; ACD68646.
XX
PT New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT pericyte proliferation, especially for treating lung tumors, arthritis or
PT wounds in a mammal.
XX
PS Claim 11; Fig 108; 314pp; English.
XX
CC The invention describes an isolated nucleic acid molecule comprising a
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are
CC fully defined in the specification; or (b) any of 122 nucleotide
CC sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC specification; or the full length coding sequence of any these 122
CC nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC particularly useful for detecting tumours (e.g. lung tumour, colon
CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC in a mammal, for stimulating the release of TNF-alpha from human blood,
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells, for stimulating proliferation of pericyte cells, or for modulating
CC normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC polypeptide is also useful for treating tumours or various bone and/or
CC cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC PRO polypeptides are useful in drug screening, particularly as targets
CC for therapeutic intervention in these diseases, and in the diagnostic
CC determination of the presence of these diseases. The PRO polypeptides are
CC also useful as molecular weight markers, or for chromosome
CC identification. The PRO genes are useful as hybridisation probes, or for
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC also be used in gene therapy, particularly for replacing a defective
CC gene. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGSKRDPDLQYLQRLFKSHSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGSKRDPDLQYLQRLFKSHSLEGL 60

QY 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
Db 61 LKALISQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 38
ABU13968 ID ABU13968 standard; protein; 135 AA.
XX
AC ABU13968;
XX
DT 26-FEB-2003 (first entry)
XX
DE Human PRO1155 polypeptide.

XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
KW genetic disorder; antibacterial; immunosuppressive.
XX
OS Homo sapiens.
XX
PN US2002103125-A1.
XX
PD 01-AUG-2002.
XX
PF 20-NOV-2001; 2001US-00989731.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
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PR 10-JUN-1998; 98US-0088810P.
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PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
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PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.

PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
XX (GETH) GENENTECH LTD.
PA
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerltzen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2003-102117/09.
DR N-PSDB; ABX64178.
DR
XX
XX
PT Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
XX
PS Claim 12; Fig 254; 649pp; English.
XX
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, and for for
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The polynucleotide sequences
CC encoding PRO polypeptides are useful as hybridisation probes, in
CC chromosome and gene mapping, in the generation of antisense RNA and DNA,
CC in the preparation of PRO polypeptides, for generating transgenic animals
CC or knockout animals, to construct hybridisation probes for mapping the
CC gene which encodes the PRO polypeptide, and for the genetic analysis of
CC individuals with genetic disorders, in gene therapy, for chromosome
CC identification, as chromosome markers, and for generating probes for PCR,
CC Northern analysis, Southern analysis and Western analysis. ABU13860-
CC ABU14006 represent the human PRO polypeptides of the invention. Note: The
CC sequence data for this patent was obtained in electronic format directly
CC from the USPTO web site at seqdata.uspto.gov/psipdIDEntry.html
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;

Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLLFTAILAFLAQSFGAVCKEPQEEVYPGGGRSKRDPDIYQILLQRLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFLAQSFGAVCKEPQEEVYPGGGRSKRDPDIYQILLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
RESULT 39
ABU85799
ID ABU85799 standard; protein; 135 AA.
XX
AC ABU85799;
XX
DT 02-JUL-2003 (first entry)
XX
DE Human PRO polypeptide #222.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor alpha; TNF-alpha; chondrocyte cell; tumour;
KW cytosstatic.
XX
OS Homo sapiens.
XX
PN US2003036140-A1.
XX
PD 20-FEB-2003.
XX
PF 01-JUL-2002; 2002US-00187588.
XX
XX
PR 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.

PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-332028/31.
DR N-PSDB; ACA72992.
XX
PT Three hundred and five nucleic acids encoding PRO polypeptides, useful
PT for the manufacture of a medicament for diagnosing or treating tumor.
XX
XX
PS Claim 11; Fig 444; 707pp; English.
XX
CC The invention relates to human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.
CC The invention also relates to a method for stimulating the release of
CC tumour necrosis factor alpha (TNF-alpha) from human blood by contacting
CC the blood with a sequence of the invention, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide and a method for detecting the presence of a
CC tumour in a mammal. The polypeptides and polynucleotides are useful for
CC the manufacture of a medicament for diagnosing or treating a tumour in a
CC mammal. Sequences ABU85578-ABU85882 represent human PRO polypeptides of
CC the invention. Note: The sequence data for this patent is also available
CC in electronic format from USPTO at seqdata.uspto.gov/sequence.html
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFSLAQSGFVAVCKEPQEEVVPGGGSKRDPDLYQLLQRLFKSHSSLEG 60
DQ 1 MRIMLFTAILAFSLAQSGFVAVCKEPQEEVVPGGGSKRDPDLYQLLQRLFKSHSSLEG 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
DQ 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
RESULT 40
ABU98959
ID ABU98959 standard; protein; 135 AA.
XX
AC ABU98959;
XX

DT 01-AUG-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
KW Human; secreted and transmembrane protein; PRO; cytostatic; gene therapy;
KW chondrocyte stimulator; tumour; adrenal tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; TNF-alpha release;
KW tumour necrosis factor alpha release; chondrocyte cell proliferation;
KW chondrocyte cell differentiation; pharmaceutical; diagnostic; biosensor;
KW bioreactor.
XX
OS Homo sapiens.
XX
PN US2003013153-A1.
XX
PD 16-JAN-2003.
XX
PF 19-JUN-2002; 2002US-00175737.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
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PR 29-APR-1998; 98US-0083495P.
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PR 29-APR-1998; 98US-0083559P.
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PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
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PR 15-MAY-1998; 98US-0085579P.
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PR 15-MAY-1998; 98US-0085582P.

PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
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PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
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PR 12-JUN-1998; 98US-0089090P.
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PR 22-JUN-1998; 98US-0090246P.
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PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
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PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
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PR 29-SEP-1998; 98US-0102331P.
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PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVYPGGGRSKRDPDLYQLQLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVYPGGGRSKRDPDLYQLQLFKSHSSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 41
ABU98174
ID ABU98174 standard; protein; 135 AA.
XX
AC ABU98174;
XX
DT 30-JUL-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.

XX
KW Human; secreted and transmembrane protein; PRO; cytostatic; gene therapy;
KW chondrocyte stimulator; tumour; adrenal tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome identification.
XX
OS Homo sapiens.
XX
PN US2003017544-A1.
XX
PD 23-JAN-2003.
XX
PF 21-JUN-2002; 2002US-00176915.
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PR 18-SEP-1997; 97US-0059263P.
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PR 09-SEP-1998; 98US-0099602P.
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PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 23-SEP-1998; 98US-0101068P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVYPGGGRSKRDPDLYQILQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 42
ABU91880
ID ABU91880 standard; protein; 135 AA.
XX
AC ABU91880;
XX
DT 11-AUG-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
KW Human; gene therapy; chromosome identification; tissue typing.
XX

OS Homo sapiens.
XX
PN US2003027277-A1.
XX
PD 06-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176985.
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PR 18-SEP-1997; 97US-0059263P.
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PR 18-DEC-1997; 97US-0068017P.
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PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
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PR 01-OCT-1998; 98US-0102684P.
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PR 06-OCT-1998; 98US-0103258P.
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Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred.No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLSLAOSFGAVCKEPQBEVVPGGGRKRDPLLYQLLQRLFKSHSLLEGL 60
Db 1 MRIMLFTAILAFLSLAOSFGAVCKEPQBEVVPGGGRKRDPLLYQLLQRLFKSHSLLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 43
ABU89573
ID ABU89573 standard; protein; 135 AA.
XX AC ABU89573;
XX DT 09-JUL-2003 (first entry)
XX DE Human PRO polypeptide #222.
XX Human; PRO polypeptide; secreted protein; transmembrane protein;
KW chromosome mapping; gene mapping; tumour; adrenal; lung; colon; breast;
KW prostate; rectal; cervical; liver; cancer; TNF-alpha;
KW tumour necrosis factor-alpha; proliferation; differentiation;
KW chondrocyte cell; bone disorder; cartilage disorder; sports injury;

KW	arthritis; cytostatic; antiarthritic; osteopathic.	
XX		
OS	Homo sapiens.	
XX		
PN	US2003036141-A1.	
XX		
PD	20-FEB-2003.	
XX		
PF	01-JUL-2002; 2002US-00187597.	
XX		
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PR	28-OCT-1997; 97US-0063564P.	PR-10-JUN-1998; 98US-0088738P.
PR	29-OCT-1997; 97US-0063734P.	PR-10-JUN-1998; 98US-0088740P.
PR	31-OCT-1997; 97US-0063870P.	PR-10-JUN-1998; 98US-0088811P.
PR	31-OCT-1997; 97US-0064103P.	PR-10-JUN-1998; 98US-0088824P.
PR	13-NOV-1997; 97US-0065311P.	PR-10-JUN-1998; 98US-0088825P.
PR	21-NOV-1997; 97US-0066120P.	PR-10-JUN-1998; 98US-0088826P.
PR	24-NOV-1997; 97US-0066466P.	PR-11-JUN-1998; 98US-0088861P.
PR	11-DEC-1997; 97US-0069335P.	PR-11-JUN-1998; 98US-0088863P.
PR	12-DEC-1997; 97US-0069425P.	PR-11-JUN-1998; 98US-0088876P.
PR	17-DEC-1997; 97US-0069870P.	PR-12-JUN-1998; 98US-0089090P.
PR	18-DEC-1997; 97US-0068017P.	PR-12-JUN-1998; 98US-0089105P.
PR	10-MAR-1998; 98US-0077450P.	PR-16-JUN-1998; 98US-0089512P.
PR	11-MAR-1998; 98US-0077632P.	PR-16-JUN-1998; 98US-0089514P.
PR	11-MAR-1998; 98US-0077649P.	PR-17-JUN-1998; 98US-0089538P.
PR	20-MAR-1998; 98US-0078886P.	PR-17-JUN-1998; 98US-0089598P.
PR	20-MAR-1998; 98US-0078939P.	PR-18-JUN-1998; 98US-0089908P.
PR	27-MAR-1998; 98US-0079664P.	PR-19-JUN-1998; 98US-0089952P.
PR	27-MAR-1998; 98US-0079786P.	PR-22-JUN-1998; 98US-0090246P.
PR	31-MAR-1998; 98US-0080107P.	PR-22-JUN-1998; 98US-0090252P.
PR	31-MAR-1998; 98US-0080194P.	PR-22-JUN-1998; 98US-0090254P.
PR	01-APR-1998; 98US-0080327P.	PR-24-JUN-1998; 98US-0090429P.
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PR	08-APR-1998; 98US-0081049P.	PR-24-JUN-1998; 98US-0090444P.
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PR	15-APR-1998; 98US-0081838P.	PR-24-JUN-1998; 98US-0090540P.
PR	21-APR-1998; 98US-0082568P.	PR-25-JUN-1998; 98US-0090676P.
PR	21-APR-1998; 98US-0082569P.	PR-25-JUN-1998; 98US-0090678P.
PR	22-APR-1998; 98US-0082704P.	PR-25-JUN-1998; 98US-0090688P.
PR	22-APR-1998; 98US-0082797P.	PR-25-JUN-1998; 98US-0090690P.
PR	28-APR-1998; 98US-0083322P.	PR-25-JUN-1998; 98US-0090694P.
PR	28-APR-1998; 98US-0083495P.	PR-25-JUN-1998; 98US-0090695P.
PR	29-APR-1998; 98US-0083496P.	PR-25-JUN-1998; 98US-0090696P.
PR	29-APR-1998; 98US-0083499P.	PR-26-JUN-1998; 98US-0090862P.
PR	05-MAY-1998; 98US-0084366P.	PR-26-JUN-1998; 98US-0090863P.
PR	06-MAY-1998; 98US-0084414P.	PR-26-JUN-1998; 98US-0091010P.
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PR	15-MAY-1998; 98US-0085579P.	PR-02-JUL-1998; 98US-0091544P.
PR	15-MAY-1998; 98US-0085580P.	PR-02-JUL-1998; 98US-0091626P.
PR	15-MAY-1998; 98US-0085582P.	PR-02-JUL-1998; 98US-0091628P.
PR	18-MAY-1998; 98US-0086023P.	PR-02-JUL-1998; 98US-0091632P.
PR	22-MAY-1998; 98US-0086392P.	PR-04-AUG-1998; 98US-00934006P.
PR	22-MAY-1998; 98US-0086486P.	PR-10-AUG-1998; 98US-00935282P.
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PR	02-JUN-1998; 98US-0087609P.	PR-17-AUG-1998; 98US-0096012P.
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PR	03-JUN-1998; 98US-0087827P.	PR-17-AUG-1998; 98US-0096766P.
PR	04-JUN-1998; 98US-0088025P.	PR-17-AUG-1998; 98US-0096867P.
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		PR-17-AUG-1998; 98US-0096897P.
		PR-18-AUG-1998; 98US-0096949P.
		PR-18-AUG-1998; 98US-0096959P.
		PR-18-AUG-1998; 98US-0097022P.
		PR-26-AUG-1998; 98US-0097952P.
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		PR-26-AUG-1998; 98US-0097955P.
		PR-26-AUG-1998; 98US-0097971P.
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		PR-26-AUG-1998; 98US-0098014P.

PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
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PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSFQAVCKEPOEENVVPGGGRKRDPDLYQLQRLFKSHSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSFQAVCKEPOEENVVPGGGRKRDPDLYQLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKCRDMHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKCRDMHDFVGLMGKRSVQP 97

RESULT 44
ABU86414
ID ABU86414 standard; protein; 135 AA.
XX
AC ABU86414;
XX
DT 01-JUL-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #222.
XX
KW Human; immunogen; secreted protein; transmembrane protein; PRO; tumour;
KW proliferation; differentiation; chondrocyte cells;
KW tumour necrosis factor-alpha; TNF-alpha; blood; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003036146-A1.
XX

PD 20-FEB-2003.
XX
PF 02-JUL-2002; 2002US-00187603.
XX
XX 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000WO-US0644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.

XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;

PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-332034/31.
DR N-PSDB; ACA73606.
XX
PT Three hundred and five nucleic acids encoding PRO polypeptides, useful in
PT gene therapy, chromosome identification, tissue typing, and for detecting
PT the presence of tumor in a mammal.
XX
PS Claim 11; Fig 444; 707pp; English.
XX
CC The invention relates to three hundred and five nucleic acids encoding
CC PRO polypeptides (secreted and transmembrane), sequences 80% identical to
CC them, or encoding a PRO polypeptide lacking its associated signal peptide
CC or an extracellular domain of the PRO polypeptide, with or lacking its
CC associated signal peptide. Also included are the encoded PRO proteins,
CC PRO expression vectors, host cells transformed with the vector (used to
CC produce PRO proteins), a chimeric molecule comprising the PRO
CC polypeptide fused to a heterologous amino acid sequence, an anti-PRO
CC antibody, a method for stimulating the release of tumor necrosis factor
CC alpha (TNF-alpha) from human blood (by contacting the blood with PRO1079,
CC PRO827, PRO791, PRO1131, PRO1316, PRO1183, PRO1343, PRO1760, PRO1567 or
CC PRO4333), a method for stimulating the proliferation or differentiation
CC of chondrocyte cells by contacting the cells with a PRO6029 polypeptide,
CC a method for detecting the presence of tumor in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The PRO polypeptide or anti-PRO antibody is useful for preparing a
CC medicament for treating a condition that is responsive to the PRO
CC polypeptide or anti-PRO antibody. The PRO nucleotide sequences are useful
CC as hybridisation probes in chromosome and gene mapping, or in generating
CC antisense RNA and DNA. PRO nucleic acids are also useful in preparing PRO
CC polypeptides, in assays to identify other proteins or molecules involved
CC in a binding reaction, to generate transgenic animals or knockout
CC animals, which in turn are useful in the development and screening of
CC therapeutically useful reagents, for chromosome identification, and
CC tissue typing. The PRO polypeptides and nucleic acid molecules are also
CC useful for detecting the presence of a tumor in a mammal, stimulating
CC proliferation or differentiation of chondrocyte cells, stimulating the
CC release of tumor necrosis factor-alpha from human blood, in gene
CC therapy, or as molecular weight markers for protein electrophoresis
CC purposes. The anti-PRO antibodies may be used in diagnostic assays for
CC PRO, or for the affinity purification of PRO from recombinant cell
CC culture or natural sources. The present sequence represents a PRO protein
XX
SQ Sequence 135 AA;
Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLLFTAILAFSLAOSFGAVCKEPQEEVYVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
Db 1 MRIMLLFTAILAFSLAOSFGAVCKEPQEEVYVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKKESTSPKRDMDHDFVGLMGKRSVQP 97
RESULT 45
ID ABU67627 standard; protein; 135 AA.
XX
AC ABU67627;
XX
DT 29-MAY-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #222.
XX
KW Human; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KM tissue typing.
XX

OS Homo sapiens.
XX
PN US2003036162-A1.
XX
PD 20-FEB-2003.
XX
PF 12-JUL-2002; 2002US-00194423.
XX
PR 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.

XX PA (GETH) GENENTECH INC.
XX PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-332039/31.
DR N-PSDB; ACA05921.
XX
PT New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy, in chromosome and gene mapping, as chromosome markers,
PT in tissue typing, and in chromosome identification.
XX
PS Claim 11; Fig 444; 706pp; English.
XX
CC The invention discloses human nucleic acids encoding secreted and
CC transmembrane (PRO) polypeptides. Also disclosed is an antibody that
CC specifically binds to the PRO polypeptide, a method for stimulating the
CC release of tumour necrosis factor alpha (TNF-alpha) from human blood by
CC contacting the blood a PRO polypeptide, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide, a method for detecting the presence of a
CC tumour in a mammal and an oligonucleotide probe derived from any of the
CC PRO nucleotide sequences. The nucleotide sequences are useful as probes,
CC in chromosome and gene mapping, in generating antisense RNA and DNA, in
CC preparing PRO polypeptides by recombinant techniques and in gene therapy
CC (e.g. for replacement of defective gene). The PRO polypeptides are useful
CC as molecular weight markers for protein electrophoresis purposes, for
CC chromosome identification, as chromosome markers, as therapeutic agents,
CC for stimulating the release of TNF-alpha from human blood, for
CC stimulating the proliferation or differentiation of chondrocytes and
CC detecting the presence of a tumour. The PRO polypeptides and nucleic
CC acids may also be used diagnostically for tissue typing. The sequences
CC presented in ABU67406-ABU67710 are the PRO polypeptides of the invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFLAQSFGAVCKEPEQBEVVPGGGRSKRDPDLVQLQLQRLFKSHSLLEGL 60
Db 1 MRIMLLFTAILAFLAQSFGAVCKEPEQBEVVPGGGRSKRDPDLVQLQLQRLFKSHSLLEGL 60

QY 61 LKALISQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALISQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 46
ABU80655 ID ABU80655 standard; protein; 135 AA.
XX AC ABU80655;
XX DT 23-JUN-2003 (first entry)
XX DE Human PRO protein #222.
XX DE Human PRO protein #222.
XX KW Human; tumour; adrenal; lung; colon; breast; prostate; rectal; cervical;
KW liver; PRO; gene therapy.
XX OS Homo sapiens.
XX OS Homo sapiens.
XX PN US2003036137-A1.
XX PD 20-FEB-2003.
XX PF 27-JUN-2002; 2002US-00184640.
XX PR 26-JUN-1998; 98US-00105413.
XX PR 16-SEP-1998; 98WO-US019330.

PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
XX
XX PA (GETH) GENENTECH INC.
XX PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-342038/32.
XX DR N-PSDB; ACA66755.
PT Three hundred and five nucleic acids encoding secreted and transmembrane

PT PRO polypeptides, useful for the diagnosis, prevention and/or treatment
PT of tumors, such as adrenal, lung, colon, breast, prostate, rectal,
PT cervical or liver tumors.
XX
XX Claim 11; Fig 444; 708bp; English.
XX
CC The invention relates to three hundred and five nucleic acids encoding
CC PRO polypeptides (secreted and transmembrane). Methods and compositions
CC of the present invention are useful for the diagnosis, prevention and/or
CC treatment of tumors, such as adrenal, lung, colon, breast, prostate,
CC rectal, cervical or liver tumors. The PRO polypeptides are also useful
CC as molecular weight markers, or for chromosome identification. The PRO
CC genes are useful as hybridisation probes, or for screening libraries of
CC human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
CC therapy, particularly for replacing a defective gene. The present
CC sequence represents a human PRO polypeptide of the invention
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSLEGL 60

QY 61 LKALSQASTDPKXESTSPKXRDMDHFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKXESTSPKXRDMDHFFVGLMGKRSVQP 97

RESULT 47
ID ABU72553 standard; protein; 135 AA.
XX
AC ABU72553;
XX
DT 17-JUN-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1155.
XX
KW Human; secreted and transmembrane protein; cytosolic; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy;
KW PRO; pharmaceutical; diagnostic; biosensor; bioreactor; malignancy;
KW cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukaemia;
KW lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;
KW drug screening.
XX
XX Homo sapiens.
XX OS
XX PN US2003003531-A1.
XX
XX PD 02-JAN-2003.
XX
XX PF 19-NOV-2001; 2001US-00989734.
XX
XX 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 30-NOV-1999; 99WO-US021547.
PR 01-DEC-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 16-DEC-1999; 99WO-US028634.
PR 20-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 02-MAR-2000; 2000WO-US005004.
PR 10-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006319.
PR 20-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US007377.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.

PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-352829/33.
DR N-PSDB; ACA64400.
XX
PT New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
PT disease.
XX
XX
PS Claim 12; Fig 254; 663pp; English.
XX
CC The invention describes a new isolated nucleic acid molecule comprising
CC the full length coding sequence of the DNA deposited with the American
CC Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,
CC 209439, 203135, etc); or a sequence with at least 80% identity to a DNA
CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These
CC are particularly useful for detecting or treating e.g. malignancies or
CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
CC leukaemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
CC disease in mammals. The PRO polypeptides are useful in drug screening,
CC particularly as targets for therapeutic intervention in these diseases,
CC and in the diagnostic determination of the presence of these diseases.
CC The PRO polypeptides are also useful as molecular weight markers, or for
CC chromosome identification. The PRO genes are useful as hybridisation
CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
CC The PRO genes may also be used in gene therapy, particularly for
CC replacing a defective gene. This is the amino acid sequence of a novel
CC human secreted and transmembrane PRO polypeptide
XX
SQ Sequence 135 AA;

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPOEEVPPGGGRSKRDPDLYQLQRLFRKSHSLEGL 60
Db |||||
1 MRIMLFTAILAFSLAQSGAVCKEPOEEVPPGGGRSKRDPDLYQLQRLFRKSHSLEGL 60

QY 61 LKALSQASTDPKESTPEKRDMDFFVGLMGKRSVQP 97
Db |||||
61 LKALSQASTDPKESTPEKRDMDFFVGLMGKRSVQP 97

RESULT 48
ABR99573
ID ABR99573 standard; protein; 135 AA.
XX
AC ABR99573;
XX
DT 18-SEP-2003 (first entry)
XX
DE Human secreted polypeptide PRO1155, SEQ ID NO:444.
XX
KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;

KW antiarthritic; vulnerary; gene therapy.
XX
XX Homo sapiens.
OS
XX
PN US2003040063-A1.
XX
PD 27-FEB-2003.
XX
PF 26-JUN-2002; 2002US-00183006.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
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PR 20-MAR-1998; 98US-0078886P.
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PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
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PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
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PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
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PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
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PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088028P.
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PR 04-JUN-1998; 98US-0088326P.
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PR 09-JUN-1998; 98US-0088655P.
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PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
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PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
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PR 18-JUN-1998; 98US-0089908P.
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PR 22-JUN-1998; 98US-0090246P.
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PR 25-JUN-1998; 98US-0090676P.
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PR 25-JUN-1998; 98US-0090690P.
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PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
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PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 04-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095398P.
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PR 17-AUG-1998; 98US-0096757P.
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PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
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PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.

PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-01019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

Query Match 80.2%; Score 97; DB 6; Length 135;
Best Local Similarity 100.0%; Pred. No. 7.4e-88;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGFVAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60
Db 1 MRIMLLFTAILAFSLAQSGFVAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRVSQP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRVSQP 97

RESULT 49
ABR98963
ID ABR98963 standard; protein; 135 AA.
XX ABR98963;
AC ABR98963;
XX 17-SEP-2003 (first entry)
DT 17-SEP-2003 (first entry)
XX Human secreted polypeptide PRO1155, SEQ ID NO:444.
DE Human; PRO; secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy.
XX Homo sapiens.
OS

XX US2003040064-A1.
XX 27-FEB-2003.
PF 26-JUN-2002; 2002US-00183008.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
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PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
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GenCore version 5.1.6
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OM protein - protein search, using sw model

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Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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6	97	80.2	135	9	US-09-989-722-359 Sequence 359, App
7	97	80.2	135	9	US-09-989-723-359 Sequence 359, App
8	97	80.2	135	9	US-09-989-279-359 Sequence 359, App
9	97	80.2	135	9	US-09-989-727-359 Sequence 359, App
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712	66	54.5	121	9	US-09-853-161-85	Sequence 85, Appl
713	66	54.5	121	9	US-09-852-659A-85	Sequence 85, Appl
714	66	54.5	121	9	US-09-852-797-85	Sequence 85, Appl
715	66	54.5	121	12	US-10-058-993-85	Sequence 108, App
716	36	29.8	36	9	US-09-853-161-108	Sequence 108, App
717	36	29.8	36	9	US-09-852-659A-108	Sequence 108, App
718	36	29.8	36	9	US-09-852-797-108	Sequence 108, App
719	36	29.8	36	12	US-10-058-993-108	Sequence 108, App

ALIGNMENTS

RESULT 1
US-09-853-161-68.
; Sequence 68, Application US/09853161
; Patent No. US20020076756A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P3
; CURRENT APPLICATION NUMBER: US/09/853,161
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934

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QY	121	E 121	
DB	121	E 121	

Query Match 100.0%; Score 121; DB 9; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
US-09-853-161-68
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-853-161-68
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 68
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US-09-853-161-68
Query Match 100.0%; Score 121; DB 9; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
US-09-852-659A-68
; Sequence 68, Application US/09852659A
; Patent No. US20020077287A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P4
; CURRENT APPLICATION NUMBER: US/09/852,659A
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 121

SOFTWARE: PatentIn Ver. 2.0
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US-09-852-659A-68

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DB 121 E 121

RESULT 3

US-09-852-797-68
; Sequence 68, Application US/09852797
; Patent No. US20020172994A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P2
; CURRENT APPLICATION NUMBER: US/09/852,797
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-852-797-68

Query Match 100.0%; Score 121; DB 9; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 E 121
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DB 121 E 121

RESULT 4

US-10-058-993-68
; Sequence 68, Application US/10058993
; Publication No. US20030225009A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 28 Human Secreted Proteins
; FILE REFERENCE: P2003P5
; CURRENT APPLICATION NUMBER: US/10/058,993
; PRIOR FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: 09/852,659
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/852,797
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/853,161
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/265,583
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 09/152,060
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-05
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-058-993-68

Query Match 100.0%; Score 121; DB 12; Length 121;
Best Local Similarity 100.0%; Pred. No. 2.4e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQPDSPTDVNOENVPSFGILKYPRA 120
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QY 121 E 121
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DB 121 E 121


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RESULT 5
US-10-276-774-2248
; Sequence 2248, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; PRIOR FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 2248
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2248

Query Match      100.0%; Score 121; DB 12; Length 137;
Best Local Similarity 100.0%; Pred. No. 2.7e-110;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      61  LKALISQASTDPKESTSPKRDMDHDFVGLMGKRSVQPDSPPTDVNQEENVPFSGILKYPPRA 120
Db      77  LKALISQASTDPKESTSPKRDMDHDFVGLMGKRSVQPDSPPTDVNQEENVPFSGILKYPPRA 136

QY      121 E 121
Db      137 E 137

RESULT 6
US-09-989-722-359
; Sequence 359, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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FILE REFERENCE: P2730P1C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
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; PRIOR APPLICATION NUMBER: 60/087759
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; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred.No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
US-09-989-723-359
; Sequence 359, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19

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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
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Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTALAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLVQLLQRLFKSHSSLEGL 60

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DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 8

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; Patent No. US20020072496A1

GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
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;; APPLICANT: Gerritsen, Mary B.
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;; APPLICANT: Gurney, Austin L.
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;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2730P1C56
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRMLFTAILAFSLAOSFGAVCKEPQEEVYFGGSKRDPDLYQLORLFKSHSLEGL 60
Db 1 MRMLFTAILAFSLAOSFGAVCKEPQEEVYFGGSKRDPDLYQLORLFKSHSLEGL 60
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Db 61 LKALSQASTDPKESTPEKRDMDFFVGLMGKRSVOP 97

RESULT 9
US-09-989-727-359

Sequence 359, Application US/09989727
Patent No. US20020072497A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
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APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C65
CURRENT APPLICATION NUMBER: US/09/989,727
PRIOR FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSLLEGL 60
Db 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLYQLQLFKSHSLLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 10

US-09-989-731-359
; Sequence 359, Application US/09989731
; Patent No. US20020103125A1

GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kijavini, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C70
;; CURRENT APPLICATION NUMBER: US/09/989, 731
;; PRIOR FILING DATE: 2001-11-20
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
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;; PRIOR FILING DATE: 1997-11-24
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSYOP 97

RESULT 11
US-09-989-732-359
Sequence 359, Application US/09989732
Patent No. US20020123463A1

;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnuyers, Luc
;; APPLICANT: Baton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C57
;; CURRENT APPLICATION NUMBER: US/09/989,732
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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSFQAVCKEPQEEVVGGRSKRDPDLYQLQLFKSHSLEGL 60
DB 1 MRIMLLFTAILAFSLAQSFQAVCKEPQEEVVGGRSKRDPDLYQLQLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLGKRSVQP 97

RESULT 12
US-09-991-073-359

;; Sequence 359, Application US/09991073
;; Patent No. US20020127576A1

;; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.

;; APPLICANT: Baker, Kevin P.

;; APPLICANT: Botstein, David

;; APPLICANT: Desnoyers, Luc

;; APPLICANT: Eaton, Dan L.

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;; APPLICANT: Watanabe, Colin K.

;; APPLICANT: Williams, P. Mickey

;; APPLICANT: Wood, William I.

;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

;; TITLE OF INVENTION: Acids Encoding the Same

;; FILE REFERENCE: P2730P1C15

;; CURRENT APPLICATION NUMBER: US/09/991,073

;; PRIOR FILING DATE: 2001-11-14

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;; PRIOR FILING DATE: 1998-06-12

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PRIOR APPLICATION NUMBER: 60/091478
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPQEEYVPGGGRSKRDPDLXQLQLFKSHSLLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPQEEYVPGGGRSKRDPDLXQLQLFKSHSLLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 13
US-09-990-442-359
Sequence 359, Application US/09990442
Patent No. US20020132252A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C8
CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07

;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAOSFGAVCKEPEQEEVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLLFTAILAFSLAOSFGAVCKEPEQEEVPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 14

US-09-991-163-359
; Sequence 359, Application US/09991163
; Patent No. US20020132253A1

GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kijavlin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C17

;; CURRENT APPLICATION NUMBER: US/09/991,163

;; PRIOR APPLICATION NUMBER: 2001-11-14
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182

; PRIOR FILING DATE: 1998-07-09
; Query Match 80.2%; Score 97; DB 9; Length 135;
; Best Local Similarity 100.0%; Pred. No. 8,1e-87;
; Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFSLAQSPGAVCKEPQEEVVPGGGRKRDPPDLYQLRLFKSHSSLEGL 60
DB 1 MRIMLFTAILAFSLAQSPGAVCKEPQEEVVPGGGRKRDPPDLYQLRLFKSHSSLEGL 60
QY 61 LKAUSQASTDPKESTSPKRDVHDFVGLMGKRSVQP 97
DB 61 LKAUSQASTDPKESTSPKRDVHDFVGLMGKRSVQP 97
RESULT 15
US-09-993-604-359
; Sequence 359, Application US/09993604
; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Paol, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C25
; CURRENT APPLICATION NUMBER: US/09/993, 604
; PRIOR APPLICATION NUMBER: 2001-11-14
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-06-02
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?	PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;

Best Local Similarity 100.0%; Fred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRIMLFTAILAFSLAQSGFAVCKEPEQEEVPPGGGRSKRDPDLVQLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMKRSVQP 97

RESULT 16
US-09-990-456-359
; Sequence 359, Application US/09990456
; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC22
; CURRENT APPLICATION NUMBER: US/09/990,456
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLYQLIQRLFKSHSSLEG 60
DB 1 MRIMLFTAILAFSLAOSFGAVCKEPQEEVVPGGGRSKRDPDLYQLIQRLFKSHSSLEG 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
RESULT 17
US-09-989-721-359
Sequence 359, Application US/09989721
Patent No. US20020142961A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C55
CURRENT APPLICATION NUMBER: US/09/989, 721
CURRENT FILING DATE: 2001-11-19
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Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPOBEVVPGGGRSKRDPDLTQLQLRLEFKSHSLGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPOBEVVPGGGRSKRDPDLTQLQLRLEFKSHSLGL 60

QY 61 LKALSASTDPKESTPEKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALSASTDPKESTPEKRDMDHDFVGLMGKRSVOP 97

RESULT 18
US-09-992-598-359

; Sequence 359, Application US/09992598
; Patent No. US20020160384A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Godowski, Paul J.
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730P1C20

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; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-22

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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQRLFKSHSSLEG 60
DB 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVVPGGGRSKRDPDLYQLQRLFKSHSSLEG 60
OY 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

DB 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
RESULT 19
US-09-989-293A-359
Sequence 359, Application US/09989293A
Patent No. US20020177164A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kjaavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C66
CURRENT APPLICATION NUMBER: US/09/989, 293A
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred.No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRMILFTAILAFSLAQSFQAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSLEGL 60

QY 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVQ 97
DB 61 LKALSOASTDPKESTSPKRDMDFFVGLMGKRSVQ 97

RESULT 20
US-09-989-735-359
; Sequence 359, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
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PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY .1 MRIMLFTAILAFSLAQSFQAVCKEPOEVEVPGGGRSKRDPDLYQLQRIKFSHSSLEGL 60
DB 1 MRIMLFTAILAFSLAQSFQAVCKEPOEVEVPGGGRSKRDPDLYQLQRIKFSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 21
US-09-990-444-359
; Sequence 359, Application US/09990444

Publication No. US20020193300A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Gurney, Austin L.
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C19
CURRENT APPLICATION NUMBER: US/09/990,444
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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;; PRIOR APPLICATION NUMBER: 60/088734
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;; PRIOR FILING DATE: 1998-06-17
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred.No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSLEGL 60
DB 1 MRIMLFTAILAFSLAQSGAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVQP 97

RESULT 22
US-09-991-181-359
; Sequence 359, Application US/09991181
; Publication No. US20020197615A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
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PRIOR APPLICATION NUMBER: 60/088167

PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1998-06-17
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PRIOR APPLICATION NUMBER: 60/089653
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PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24


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: PRIOR APPLICATION NUMBER: 60/090435
: PRIOR FILING DATE: 1998-06-24
: PRIOR APPLICATION NUMBER: 60/090444
: PRIOR FILING DATE: 1998-06-24
: PRIOR APPLICATION NUMBER: 60/090445
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: PRIOR APPLICATION NUMBER: 60/090472
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: PRIOR APPLICATION NUMBER: 60/091978
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/091982
: PRIOR FILING DATE: 1998-07-07
: PRIOR APPLICATION NUMBER: 60/092182
: PRIOR FILING DATE: 1998-07-09

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Query Match	80.2%	Score 97;	DB 9;	Length 135;
Best Local Similarity	100.0%	Pred. No. 8.1e-87;		
Matches 97;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

QY	61	LKALSQASTDPKESTSPEKRDMDFFVGLMGKRSVOP	97
Db	61	LKALSQASTDPKESTSPEKRDMDFFVGLMGKRSVOP	97

RESULT 23
US-09-989-730-359

; Sequence 359, Application US/09989730
; Publication No. US20020197674A1

GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc

```

1  APPLICANT: Eaton, Dan L.
2  APPLICANT: Ferrara, Napoleon
3  APPLICANT: Fong, Sherman
4  APPLICANT: Gerber, Hanspeter
5  APPLICANT: Gerritsen, Mary E.
6  APPLICANT: Goddard, Audrey
7  APPLICANT: Godowski, Paul J.
8  APPLICANT: Grimaldi, J. Christopher
9  APPLICANT: Gurney, Austin L.
10 APPLICANT: Kljavin, Ivar J.
11 APPLICANT: Napier, Mary A.
12 APPLICANT: Pan, James
13 APPLICANT: Paoni, Nicholas F.
14 APPLICANT: Roy, Margaret Ann
15 APPLICANT: Stewart, Timothy A.
16 APPLICANT: Tumas, Daniel
17 APPLICANT: Watanabe, Colin K.
18 APPLICANT: Williams, P. Mickey
19 APPLICANT: Wood, William I.
20 APPLICANT: Zhang, Zemin
21 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
22 TITLE OF INVENTION: Acids Encoding the Same
23 FILE REFERENCE: P2730P1C69
24 CURRENT APPLICATION NUMBER: US/09/989,730
25 CURRENT FILING DATE: 2001-11-20
26 PRIOR APPLICATION NUMBER: 60/049787
27 PRIOR FILING DATE: 1997-06-16
28 PRIOR APPLICATION NUMBER: 60/062250
29 PRIOR FILING DATE: 1997-10-17
30 PRIOR APPLICATION NUMBER: 60/065186
31 PRIOR FILING DATE: 1997-11-12
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33 PRIOR FILING DATE: 1997-11-13
34 PRIOR APPLICATION NUMBER: 60/066770
35 PRIOR FILING DATE: 1997-11-24
36 PRIOR APPLICATION NUMBER: 60/075945
37 PRIOR FILING DATE: 1998-02-25
38 PRIOR APPLICATION NUMBER: 60/078910
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40 PRIOR APPLICATION NUMBER: 60/083322
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58 PRIOR APPLICATION NUMBER: 60/088026
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71 PRIOR FILING DATE: 1998-06-05
72 PRIOR APPLICATION NUMBER: 60/088202
73 PRIOR FILING DATE: 1998-06-05

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;; PRIOR APPLICATION NUMBER: 60/090431
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;; PRIOR APPLICATION NUMBER: 60/090472
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;; PRIOR APPLICATION NUMBER: 60/090542
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;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
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;; PRIOR APPLICATION NUMBER: 60/091360
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGAVCKEPQEEVVPGGGSKRDPDLYQLLQRLFKSHSSLEGL 60
DB 1 MRIMLLFTAILAFSLAQSGAVCKEPQEEVVPGGGSKRDPDLYQLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPERKDMHDFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPERKDMHDFVGLMGKRSVOP 97

RESULT 24
US-09-990-436-359
Sequence 359, Application US/09990436
Publication No. US20020198148A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavir, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C14
CURRENT APPLICATION NUMBER: US/09/990,436
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR APPLICATION NUMBER: 60/087106
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PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217

PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
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PRIOR APPLICATION NUMBER: 60/088734
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQBEVVPFGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
DB 1 MRIMLLFTAILAFSLAQSFQAVCKEPEQBEVVPFGGGRSKRDPDLYQLLQRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 25

US-09-993-687-359
; Sequence 359, Application US/09993687
; Publication No. US20020198149A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey

;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kijaviri, Ivay J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2730P1C11
;; CURRENT APPLICATION NUMBER: US/09/993,687
;; PRIOR FILING DATE: 2002-11-14
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
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;; PRIOR FILING DATE: 1997-11-12
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066770
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;; PRIOR APPLICATION NUMBER: 60/088655
;; PRIOR FILING DATE: 1998-06-09

;; PRIOR APPLICATION NUMBER: 60/088734
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;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
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;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
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;; PRIOR APPLICATION NUMBER: 60/090557
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;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
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;; PRIOR APPLICATION NUMBER: 60/091478
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;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALAFSLAQSGAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSLLEGL 60
Db 1 MRIMLFTALAFSLAQSGAVCKEPQEEVVPGGGRSKRDPDLYQLQRLFKSHSLLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 26
US-09-989-734-359
; Sequence 359, Application US/09989734
; Publication No. US20030003531A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
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;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSGFVAVCKEPQEEVVPVGGGRSKRDPDLYQLQLFKSHSLLEG 60
DB 1 MRIMLFTAILAFSLAQSGFVAVCKEPQEEVVPVGGGRSKRDPDLYQLQLFKSHSLLEG 60

QY 61 LKALSQASTDPKSTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 27
US-09-997-653-359
; Sequence 359, Application US/09997653
; Publication No. US20030008297A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James

;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C38
;; CURRENT APPLICATION NUMBER: US/09/997,653
;; CURRENT FILING DATE: 2001-11-15
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/087106
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;; PRIOR FILING DATE: 1998-06-03
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557

PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
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PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFQAVCKEPQEEVVPFGGSRKRDYQLLQRLFKSHSSLEGL 60
DB 1 MRIMLFTAILAFSLAQSFQAVCKEPQEEVVPFGGSRKRDYQLLQRLFKSHSSLEGL 60
QY 61 LKALSOASTDPKSTSPKRDHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKSTSPKRDHDFVGLMGKRSVOP 97

RESULT 28
US-09-993-667-359
Sequence 359, Application US/09993667
Publication No. US20030022187A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C4
CURRENT APPLICATION NUMBER: US/09/993,667
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090678
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PRIOR APPLICATION NUMBER: 60/090690
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAGFAGVCKEPOEEVVPGGGSKRDPDLYQLLQRLFKSHSLEGL 60
DB 1 MRIMLLFTAILAFSLAGFAGVCKEPOEEVVPGGGSKRDPDLYQLLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 29
US-09-997-428-359

Sequence 359, Application US/09997428
Publication No. US20030027162A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C44
CURRENT APPLICATION NUMBER: US/09/997,428
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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;; PRIOR APPLICATION NUMBER: 60/090676
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;; PRIOR FILING DATE: 1998-06-25
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;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
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;; PRIOR APPLICATION NUMBER: 60/090696
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;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
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;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
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;; PRIOR APPLICATION NUMBER: 60/091626
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;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
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;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8, 1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYLQIRLFKSHSSLEGL 60
Db 1 MRIMLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYLQIRLFKSHSSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 30
US-09-997-666-359
; Sequence 359, Application US/09997666
; Publication No. US20030027163A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C42
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLLFTAILAFSLAQSFGAVCKEPQEEVVPGGGRSKRDPDLYLQILQFLFKSHSLEGL 60

QY 61 LKALSQASTDPKSTSPKRDMDFFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKSTSPKRDMDFFVGLMGKRSVOP 97

RESULT 31
US-09-990-438-359

;; Sequence 359, Application US/09990438
;; Publication No. US20030027754A1
;; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerlitsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730PIC3
;; CURRENT APPLICATION NUMBER: US/09/990,438

;; CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 32
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Sequence 359, Application US/09990562
Publication No. US20030027985A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
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APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C18
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CURRENT FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1997-06-16

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;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360

;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRIMLFTAILAFSLAGFVCKEPQEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAGFVCKEPQEEVVPGGGRSKRDPDLYOLLQRLFKSHSLEGL 60

OY 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97
Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 34
US-09-989-726-359
; Sequence 359, Application US/0989726
; Publication No. US20030040473A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/989, 726
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13

PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089539
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17	PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18	PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19	PRIOR APPLICATION NUMBER: 60/089948
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PRIOR FILING DATE: 1998-06-19	PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22	PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22	PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22	PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23	PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23	PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24	PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25	PRIOR APPLICATION NUMBER: 60/090862
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PRIOR FILING DATE: 1998-06-26	PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01	PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02	

;; PRIOR APPLICATION NUMBER: 60/091544
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;; PRIOR FILING DATE: 1998-07-02
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
DB 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 35
US-09-998-156-359
; Sequence 359, Application US/09998156
; Publication No. US20030044806A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C28
; CURRENT APPLICATION NUMBER: US/09/998,156
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945

;; PRIOR FILING DATE: 1998-02-25
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/084600
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PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519

PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFQAVCKEPQEEYVPGGGRSKRDPDLYQLQLRLEKSHSSLEGL 60
DB 1 MRIMLFTAILAFSLAQSFQAVCKEPQEEYVPGGGRSKRDPDLYQLQLRLEKSHSSLEGL 60
QY 61 LKALSOASTDPKESSTPEKRDMDHDFVGLMGKRSVQP 97
DB 61 LKALSOASTDPKESSTPEKRDMDHDFVGLMGKRSVQP 97

RESULT 36

US-09-990-437-359
Sequence 359, Application US/09990437
Publication No. US20030045463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottfredsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C49
CURRENT APPLICATION NUMBER: US/09/990,437
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20

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3	PRIOR APPLICATION NUMBER: 60/084600
4	PRIOR FILING DATE: 1998-05-07
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7	PRIOR APPLICATION NUMBER: 60/087607
8	PRIOR FILING DATE: 1998-06-02
9	PRIOR APPLICATION NUMBER: 60/087609
10	PRIOR FILING DATE: 1998-06-02
11	PRIOR APPLICATION NUMBER: 60/087759
12	PRIOR FILING DATE: 1998-06-02
13	PRIOR APPLICATION NUMBER: 60/087827
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25	PRIOR APPLICATION NUMBER: 60/088030
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27	PRIOR APPLICATION NUMBER: 60/088033
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35	PRIOR APPLICATION NUMBER: 60/088217
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088655
38	PRIOR FILING DATE: 1998-06-09
39	PRIOR APPLICATION NUMBER: 60/088734
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088738
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088810
44	PRIOR FILING DATE: 1998-06-10
45	PRIOR APPLICATION NUMBER: 60/088824
46	PRIOR FILING DATE: 1998-06-10
47	PRIOR APPLICATION NUMBER: 60/088826
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088858
50	PRIOR FILING DATE: 1998-06-11
51	PRIOR APPLICATION NUMBER: 60/088861
52	PRIOR FILING DATE: 1998-06-11
53	PRIOR APPLICATION NUMBER: 60/088876
54	PRIOR FILING DATE: 1998-06-11
55	PRIOR APPLICATION NUMBER: 60/089105
56	PRIOR FILING DATE: 1998-06-12
57	PRIOR APPLICATION NUMBER: 60/089440
58	PRIOR FILING DATE: 1998-06-16
59	PRIOR APPLICATION NUMBER: 60/089512
60	PRIOR FILING DATE: 1998-06-16
61	PRIOR APPLICATION NUMBER: 60/089514
62	PRIOR FILING DATE: 1998-06-16
63	PRIOR APPLICATION NUMBER: 60/089532
64	PRIOR FILING DATE: 1998-06-17
65	PRIOR APPLICATION NUMBER: 60/089538
66	PRIOR FILING DATE: 1998-06-17
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68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089599

1	PRIOR FILING DATE: 1998-06-17
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3	PRIOR FILING DATE: 1998-06-17
4	PRIOR APPLICATION NUMBER: 60/089653
5	PRIOR FILING DATE: 1998-06-17
6	PRIOR APPLICATION NUMBER: 60/089801
7	PRIOR FILING DATE: 1998-06-18
8	PRIOR APPLICATION NUMBER: 60/089907
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10	PRIOR APPLICATION NUMBER: 60/089908
11	PRIOR FILING DATE: 1998-06-18
12	PRIOR APPLICATION NUMBER: 60/089947
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17	PRIOR FILING DATE: 1998-06-19
18	PRIOR APPLICATION NUMBER: 60/090246
19	PRIOR FILING DATE: 1998-06-22
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23	PRIOR FILING DATE: 1998-06-22
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33	PRIOR FILING DATE: 1998-06-24
34	PRIOR APPLICATION NUMBER: 60/090444
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36	PRIOR APPLICATION NUMBER: 60/090445
37	PRIOR FILING DATE: 1998-06-24
38	PRIOR APPLICATION NUMBER: 60/090472
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42	PRIOR APPLICATION NUMBER: 60/090540
43	PRIOR FILING DATE: 1998-06-24
44	PRIOR APPLICATION NUMBER: 60/090542
45	PRIOR FILING DATE: 1998-06-24
46	PRIOR APPLICATION NUMBER: 60/090557
47	PRIOR FILING DATE: 1998-06-24
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49	PRIOR FILING DATE: 1998-06-25
50	PRIOR APPLICATION NUMBER: 60/090678
51	PRIOR FILING DATE: 1998-06-25
52	PRIOR APPLICATION NUMBER: 60/090690
53	PRIOR FILING DATE: 1998-06-25
54	PRIOR APPLICATION NUMBER: 60/090694
55	PRIOR FILING DATE: 1998-06-25
56	PRIOR APPLICATION NUMBER: 60/090696
57	PRIOR FILING DATE: 1998-06-25
58	PRIOR APPLICATION NUMBER: 60/090862
59	PRIOR FILING DATE: 1998-06-26
60	PRIOR APPLICATION NUMBER: 60/090863
61	PRIOR FILING DATE: 1998-06-26
62	PRIOR APPLICATION NUMBER: 60/091360
63	PRIOR FILING DATE: 1998-07-01
64	PRIOR APPLICATION NUMBER: 60/091478
65	PRIOR FILING DATE: 1998-07-02
66	PRIOR APPLICATION NUMBER: 60/091544
67	PRIOR FILING DATE: 1998-07-01
68	PRIOR APPLICATION NUMBER: 60/091519
69	PRIOR FILING DATE: 1998-07-02
70	PRIOR APPLICATION NUMBER: 60/091626
71	PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTALIAFSLAQSFGAVCKEPEQEEVPPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTALIAFSLAQSFGAVCKEPEQEEVPPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97
Db 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVQP 97

RESULT 37

US-09-991-157-359

Sequence 359, Application US/09991157
Publication No. US20030049638A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C51
CURRENT APPLICATION NUMBER: US/09/991,157
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
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PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/091978

PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLGL 60
DB 1 MRIMLLFTAILAFSLAQSGAVCKEPOEEVVPGGGRSKRDPDLVQLLQRLFKSHSLGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVQP 97

RESULT 38

US-09-997-514-359

Sequence 359, Application US/09997514

Publication No. US20030049681A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC46
CURRENT APPLICATION NUMBER: US/09/997,514
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/083322
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PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28

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47	PRIOR APPLICATION NUMBER: 60/088858
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49	PRIOR APPLICATION NUMBER: 60/088861
50	PRIOR FILING DATE: 1998-06-11
51	PRIOR APPLICATION NUMBER: 60/088876
52	PRIOR FILING DATE: 1998-06-11
53	PRIOR APPLICATION NUMBER: 60/089105
54	PRIOR FILING DATE: 1998-06-12
55	PRIOR APPLICATION NUMBER: 60/089440
56	PRIOR FILING DATE: 1998-06-16
57	PRIOR APPLICATION NUMBER: 60/089512
58	PRIOR FILING DATE: 1998-06-16
59	PRIOR APPLICATION NUMBER: 60/089514
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64	PRIOR FILING DATE: 1998-06-17
65	PRIOR APPLICATION NUMBER: 60/089598
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089599
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089600
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089653
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089801

PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
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PRIOR APPLICATION NUMBER: 60/090254
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PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
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PRIOR APPLICATION NUMBER: 60/090690
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PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07


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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVPGGGRSKRDPDLQLQLFKSHSLEGL 60
Db      1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVPGGGRSKRDPDLQLQLFKSHSLEGL 60

QY      61 LKALSGASTDPKESTSPEKRDMDFFVGLMGKRSVQP 97
Db      61 LKALSGASTDPKESTSPEKRDMDFFVGLMGKRSVQP 97

RESULT 39
US-09-997-573-359
; Sequence 359, Application US/09997573
; Publication No. US20030049682A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C45
; CURRENT APPLICATION NUMBER: US/09/997,573
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-06-18
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PRIOR APPLICATION NUMBER: 60/090355
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLLFTAILAFSLAOSFGAVCKEPQEEVYVGGGRSKRDPDLVQLQLQRLFKSHSSLEGL 60

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RESULT 40
US-09-991-172-359
Sequence 359, Application US/09991172
Publication No. US20030050457A1
GENERAL INFORMATION:
APPLICANT: Askenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C50
CURRENT FILING DATE: US/09/991,172
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1998-06-02
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69	PRIOR FILING DATE: 1998-07-09

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Query Match      80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTAILAFSLAOSFGAVCKEPEEEVVGGRSKRDPDLVQLLQRLFKSHSLEGL 60
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DB 61 LKALSOASTDPKSTSPKRDMDPFVGLMGKRSVOP 97

RESULT 41
US-09-990-726-359

; Sequence 359, Application US/09990726
; Publication No. US20030054359A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C16
; CURRENT APPLICATION NUMBER: US/09/990,726
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Query Match 80.2%; Score 97; DB 10; Length 135;
Best local Similarity 100.0%; Pred.No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 61 LKALSQASTDPKESTSPKRDMDHFFVGLMGKRSVOP 97
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RESULT 42
US-09-997-559-359
; Sequence 359, Application US/09997559
; Publication No. US20030054403A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C40
; CURRENT APPLICATION NUMBER: US/09/997,559
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;; PRIOR FILING DATE: 1998-06-22
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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFLSLAOSFGAVCKEPEQEEVWPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFLSLAOSFGAVCKEPEQEEVWPGGGRSKRDPDLYQLLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHFEVGLMGKRSVQP 97

Db 61 LKALSOASTDPKESTSPKRDMDFFVGLMKRSVOP 97

RESULT 43

US-09-997-601-359
; Sequence 359, Application US/09997601
; Publication No. US20030054404A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C36
; CURRENT APPLICATION NUMBER: US/09/997, 601
; PRIOR APPLICATION NUMBER: 2001-11-15
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065186
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred.No. 8,1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVPPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
DB 1 MRIMLFTAILAFSLAQSFGAVCKEPOEEVPPGGGRSKRDPDLVQLLQRLFKSHSLEGL 60
QY 61 LKALSQASTDPKESTSPKRDMDHDFVGMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGMGKRSVOP 97

RESULT 44
US-09-990-443-359
Sequence 359, Application US/09990443
Publication No. US20030054987A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C12
CURRENT APPLICATION NUMBER: US/09/990,443
PRIOR FILING DATE: 2001-11-14
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PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRIMLFTAILAFSLAQSGAVCKEPEEVEVPGGSRKRDPLVYLLQRLFKSHSLEGL 60
Db 1 MRIMLFTAILAFSLAQSGAVCKEPEEVEVPGGSRKRDPLVYLLQRLFKSHSLEGL 60
QY 61 LKALQASTDPKESTSPEKRDMDHDFVGLMGKRSVOP 97
Db 61 LKALQASTDPKESTSPEKRDMDHDFVGLMGKRSVOP 97

RESULT 45
US-09-991-854-359

; Sequence 359, Application US/09991854
; Publication No. US20030059780A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guirney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C24
; CURRENT APPLICATION NUMBER: US/09/991,854
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
DB 61 LKALSOASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 46
US-09-997-628-359
; Sequence 359, Application US/09997628
; Publication No. US20030059782A1
; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C30
;; CURRENT APPLICATION NUMBER: US/09/997,628
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Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRIMLFTAILAFLSLOSGFVAVCKEPEQEEVVPGGGRSKRDPDLYQLLQRLFKSHSLLEG 60

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Db 61 LKALSQASTDPKESTSPKRDMDFFVGLMGKRSVOP 97

RESULT 47
US-09-997-683-359
; Sequence 359, Application US/09997683
; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C32
CURRENT APPLICATION NUMBER: US/09/997,683
CURRENT FILING DATE: 2001-11-15
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRIMLFTAILAFSLAQSGAVCKEPOEEVWPGGRSKRDPDLYQLLQRLFKSHSLEGL 60

QY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
DB 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97

RESULT 48
US-09-989-729A-359
; Sequence 359, Application US/09989729A
; Publication No. US20030059831A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone

;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2730P1C59
;; CURRENT APPLICATION NUMBER: US/09/989,729A
;; PRIOR FILING DATE: 2001-11-19
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/065186
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;; PRIOR FILING DATE: 1998-06-05

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PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
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PRIOR APPLICATION NUMBER: 60/089653
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PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445

PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 80.2%; Score 97; DB 10; Length 135;
Best Local Similarity 100.0%; Pred. No. 8.1e-87;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MRMLFTAILAFSLAQSGFVAVCKEPOEVEVPPGGGRSKRDPDLYQLRLFKSHSSLEGL 60

OY 61 LKALSQASTDPKESTSPKRDMDHDFVGLMGKRSVOP 97
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RESULT 49
US-09-997-349-359
Sequence 359, Application US/09997349
Publication No. US20030059832A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C37
CURRENT APPLICATION NUMBER: US/09/997,349
CURRENT FILING DATE: 2001-11-15
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: PRIOR APPLICATION NUMBER: 60/091978
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: PRIOR APPLICATION NUMBER: 60/092182
: PRIOR FILING DATE: 1998-07-09

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Query Match	80.2%;	Score 97;	DB 10;	Length 135;
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Matches 97;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

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Db 1 MRIMLLFTAILAFSLAOSFGAVCKEPQEEVVPGGGSKRDPDLYQLLQRLFKSHSLEGL 600

QY 61 LKALSQASTDPKEKSTSPKRDMDFFVGLMGKRSVQ 97

Db 61 LKALSQASTDPKEKSTSPKRDMDFFVGLMGKRSVQ 97

RESULT 50
US-09-997-440-359
; Sequence 359, Application US/09997440
; Publication No. US20030059833A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

```

1  APPLICANT: Gurney,Austin L.
2  APPLICANT: KJlavin,Ivar J.
3  APPLICANT: Napier,Mary A.
4  APPLICANT: Pan,James
5  APPLICANT: Paoni,Nicholas F.
6  APPLICANT: Roy, Margaret Ann
7  APPLICANT: Stewart, Timothy A.
8  APPLICANT: Tumas, Daniel
9  APPLICANT: Watanabe, Colin K.
10 APPLICANT: Williams, P. Mickey
11 APPLICANT: Wood, William I.
12 APPLICANT: Zhang, Zemin
13 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
14 TITLE OF INVENTION: Acids Encoding the Same
15 FILE REFERENCE: P2730P1C31
16 CURRENT APPLICATION NUMBER: US/09/997,440
17 CURRENT FILING DATE: 2001-11-15
18 PRIOR APPLICATION NUMBER: 60/049787
19 PRIOR FILING DATE: 1997-06-16
20 PRIOR APPLICATION NUMBER: 60/062250
21 PRIOR FILING DATE: 1997-10-17
22 PRIOR APPLICATION NUMBER: 60/065186
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27 PRIOR FILING DATE: 1997-11-24
28 PRIOR APPLICATION NUMBER: 60/075945
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70 PRIOR APPLICATION NUMBER: 60/088655
71 PRIOR FILING DATE: 1998-06-09
72 PRIOR APPLICATION NUMBER: 60/088734
73 PRIOR FILING DATE: 1998-06-10

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1  APPLICANT: Gurney, Austin L.
2  APPLICANT: KJ Javlin, Ivar J.
3  APPLICANT: Napier, Mary A.
4  APPLICANT: Pan, James
5  APPLICANT: Paoni, Nicholas F.
6  APPLICANT: Roy, Margaret Ann
7  APPLICANT: Stewart, Timothy A.
8  APPLICANT: Tumas, Daniel
9  APPLICANT: Watanabe, Colin K.
10 APPLICANT: Williams, P. Mickey
11 APPLICANT: Wood, William I.
12 APPLICANT: Zhang, Zemin
13 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
14 TITLE OF INVENTION: Acids Encoding the Same
15 FILE REFERENCE: P2730P1C31
16 CURRENT APPLICATION NUMBER: US/09/997,440
17 CURRENT FILING DATE: 2001-11-15
18 PRIOR APPLICATION NUMBER: 60/049787
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26 PRIOR APPLICATION NUMBER: 60/066770
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35 PRIOR FILING DATE: 1998-07-07
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38 PRIOR APPLICATION NUMBER: 60/092182
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Job time : 56 secs